Annual Index

Volume 26
1991

Author Index

A

AARSMAN, A.J., *see* van den Bosch, H.
ABRAHAM, S., *see* Emken, E.A.
ACKMAN, R.G., *see* Shantha, N.C.
ADAMS, G.A., *see* Kates, M.
ADAMSON, G.L., *see* Lindgren, F.T.
ADLER, J.H.. *see* Grebenok, R.J.
see Salt, T.A.
ADLOF, R.O., *see* Emken, E.A.
AIKAWA, T., Hirose, T., Matsumoto, I., Morikawa, T., Shimada, T., Mine, Y., Tsujimoto, Y., and Tsuji, Y., Effect of Platelet-Activating Factor on Cortisol and Corticosterone Secretion by Perfused Dog Adrenal, 1108
AKIHISA, T., Kokke, W.C.M.C., Tamura, T., and Matsumoto, T., Sterols of *Kalanchoe pinnata*: First Report of the Isolation of Both C-24 Epimers of 24-Alkyl-Δ^{25}-sterols from a Higher Plant, 660
AKIMOTO, H., *see* Honma, Y.
AKIMOTO, K., *see* Shimizu, S.
AKIYOSHI, T., *see* Uchida, K.
ALAM, B.S., *see* Alam, S.Q.
ALAM, S.Q., Bergens, B.M., and Alam, B.S., Arachidonic Acid, Prostaglandin E_2 and Leukotriene C_4 Levels in Gingiva and Submandibular Salivary Glands of Rats Fed Diets Containing n-3 Fatty Acids, 895
ALBERTS, A., *see* Doebber, T.W.
ALBRIGHT, E., *see* Field, F.J.
AL-SHURBAJI, A., Larsson-Backström, C., Berglund, L., Eggertsen, G. and Björkhem, I., Effect of n-3 Fatty Acids on the Key Enzymes Involved in Cholesterol and Triglyceride Turnover in Rat Liver, 385
AMACHI, T., *see* Ikeda, I.
AMMIT, A.J., and O'Neill, C., Platelet-Activating Factor (PAF) Receptor Antagonists Inhibit Arachidonic Acid Induced Platelet Aggregation in Rabbit Whole Blood, 1189
see O'Neill, C.
AMORIM, C.Z., Henriques, M.G.M.O., Weg, V.B., Cordeiro, R.S.B., and Vargaftig, B.B., Effect of PAF-Acether Antagonists on Active Anaphylactic Mouse Paw Edema, 1396
AMOROSA, L.F., Martucci, C.P., Stevenson, N.R., and Khachadurian, A.K., The Effects of Polyoxyethylated Cholesterol on Fecal Bile Acids and Nitrogen and on Cholesterol Balance in Rats, 209
ANDERSON, G.P., *see* Hultkvist-Bengtsson, U.
ANDO, Y., *see* Takagi, T.
ANGELIN, B., *see* Ståhlberg, D.
APTE, S.S., *see* Mangold, H.K.
ARIMURA, A., and Harada, M., Differential Effect of a PAF Antagonist CV-3988 on Active and Passive Anaphylactic Shock in Various Mouse Strains, 1386
ASHMAN, W.H., Barbuch, R.J., Ulbright, C.E., Jarrett, H.W., and Bard, M., Cloning and Disruption of the Yeast C-8 Sterol Isomerase Gene, 628
ASTAKHOVA, T., *see* Gerasimova, E.
ASUWA, N., *see* Kanayasu, T.
AYAKI, Y., *see* Fukada, Y.

B

BACA, M., *see* Suarna, C.
BACCOU, J.-C., *see* Sauvaire, Y.
BACH, T.J., Boronat, A., Caelles, C., Ferrer, A., Weber, T. and Wettstein, A., Aspects Related to Mevalonate Biosynthesis in Plants, 637
BACKX, S., *see* De Schrijver, R.
BAILEY, M.L., *see* Grogan, W.M.
BAILLARGEON, M.W., and McCarthy, S.G., *Geotrichum candidum* NRRL Y-553 Lipase: Purification, Characterization and Fatty Acid Specificity, 831
see Sonnet, P.E.
BAKER, N., *see* Lin, C.
BALDO, B.A., Smal, M.A., and McCaskill, A.C., A Specific, Sensitive and High-Capacity Immunoassay for PAF, 1136
see Cooney, S.J.
see Smal, M.A.
BALLANTYNE, J.S., *see* Harrington, A.J.
BALLARD-BARBASH, R., *see* Clevidence, B.A.
see Ferretti, A.
BALTZELL, J.K., Wooten, J.T., and Otto, D.A., Lipoprotein Lipase in Rats Fed Fish Oil: Apparent Relationship to Plasma Insulin Levels, 289
BARACOS, V.E., *see* Olomu, J.M.
BARBORIAK, J.J., *see* Hojnacki, J.L.
BARBUCH, R.J., *see* Ashman, W.H.
BARD, M., *see* Ashman, W.H.
BARNES, P.J., *see* Chung, K.F.
BARROS, E.J.G., *see* dos Santos, O.F.P.
see Santos, O.F.P.
BARTHELSON, R.A., and Valone, F.H., Platelet-Activating Factor Stimulates Expression of IL-1 beta mRNA in THP-1 Cells, 257
BATT, J.-P., *see* Godfroid, J.-J.
see Lamotte-Brasseur, J.
BAZAN, N.G., Squinto, S.P., Braquet, P., Panetta, T., and Marcheselli, V.L., Platelet-Activating Factor and Polyunsaturated Fatty Acids in Cerebral Ischemia or Convulsions: Intracellular PAF-Binding Sites and Activation of a Fos/Jun/AP-1 Transcriptional Signaling System, 1236
BECKMAN, J.K., Morley, Jr., S.A., and Greene, H.L., Analysis of Aldehydic Lipid Peroxidation Products by TLC/Densitometry, 155
BEHRENS, W.A., and Madère, R., Malonaldehyde Determination in Tissues and Biological Fluids by Ion-Pairing High-Performance Liquid Chromatography, 232
BELL, J.G., Raynard, R.S., and Sargent, J.R., The Effect of Dietary Linoleic Acid on the Fatty Acid Composition of Individual Phospholipids and Lipoxygenase Products from Gills and Leucocytes of Atlantic Salmon (*Salmo salar*), 445
BELL, M.V., and Dick, J.R., Molecular Species Composition of the Major Diacyl Glycerophospholipids from Muscle, Liver, Retina and Brain of Cod *(Gadus morhua)*, 565
BENNETT CLARK, S., and Laboda, H.L., Triolein-Phosphatidylcholine-Cholesterol Emulsions as Substrates for Lipoprotein and Hepatic Lipases, 68

BENNINK, M.R., *see* Hasler, C.M.
BENSON, A.A., *see* Vaskovsky, V.E.
BENVENISTE, J., *see* Denizot, Y.
see Leprince, C.
BERDEL, W.E., *see* Hong, C.I.
see Vogler, W.R.
BERGENS, B.M., *see* Alam, S.Q.
BERGERON, N., Deshaies, Y., Lavigne, C., and Jacques, H., Interaction Between Dietary Proteins and Lipids in the Regulation of Serum and Liver Lipids in the Rabbit. Effect of Fish Protein, 759
BERGLUND, L., *see* AL-Shurbaji, A.
BERNACKI, R.J., *see* Hong, C.I.
BETTGER, W.J., *see* Driscoll, E.R.
BEYNEN, A.C., *see* Meijer, G.W.
BÉZARD, J., *see* Ulmann, L.
BHATIA, S.K., and Hajdu, J., Stereospecific Synthesis of Antitumor Active Thioether PAF Analogs, 1424
BILLAH, M.M., Egan, R.W., Ganguly, A.K., Green, M.J., Kreutner, W., Piwinski, J.J., Siegel, M.I., Villani, F.J., and Wong, J.K., Discovery and Preliminary Pharmacology of Sch 37370, a Dual Antagonist of PAF and Histamine, 1172
BILYK, A., Piazza, G.J., Bistline, Jr., R.G., and Haas, M.J., Separation of Cholesterol, and Fatty Acylglycerols, Acids and Amides by Thin-Layer Chromatography, 405
BING, R.J., *see* Wolf, A.
BIRKE, F.W., and Ensinger, H.A., Inhibition by the PAF Antagonist WEB 2086 of PAF Induced Inositol-1,4,5-trisphosphate Production in Human Platelets, 1050
BISTLINE, Jr., R.G., *see* Bilyk, A.
BJÖRKHEM, I., *see* AL-Shurbaji, A.
BLANCHARD, L., *see* Chambon, C.
BLANK, E.W., *see* Lin, C.
BLANK, M.L., Cress, E.A., Smith, Z.L., and Snyder, F., Dietary Supplementation with Ether-Linked Lipids and Tissue Lipid Composition, 166
see Kates, M.
BLANKENSHIP, J.W., Van Gent, C.M., Sandberg, L.B., Roos, P.J., and Scharffenberg, J.A., Oxysterol Incorporation into Rat Aorta Resulting in Elastin Compositional Changes, 381
BLOND, J.P., *see* Ulmann, L.
BOIM, M.A., *see* dos Santos, O.F.P.
see Santos, O.F.P.
BORONAT, A., *see* Bach, T.J.
BOTHAM, K.M., Cholesterol Metabolism in the Rat Lactating Mammary Gland: The Role of Cholesteryl Ester Hydrolase, 901
BRADLEY, L.M., *see* Goldstein, R.E.
BRAQUET, P., Hosford, D., Koltz, P., Guilbaud, J., and Paubert-Braquet, M., Effect of Platelet-Activating Factor on Tumor Necrosis Factor-Induced Superoxide Generation from Human Neutrophils: Possible Involvement of G Proteins, 1071
see Bazan, N.G.
see dos Santos, O.F.P.
see Ferreira, M.G.
see Filep, J.
see Lamotte-Brasseur, J.
see Pons, L.
see Sagach, V.F.
see Santos, O.F.P.
see Soloviev, A.I.
BROUGHTON, K.S., *see* Whelan, J.
BRYANT, N.L., *see* Packham, M.A.
BUÉNO, L., *see* Pons, L.
BULMAN-FLEMING, B., *see* Wainwright, P.E.
BURGESS, J.R., de la Rosa, R.I., Jacobs, R.S., and Butler, A., A New Eicosapentaenoic Acid Formed from Arachidonic Acid in the Coralline Red Algae *Bossiella orbigniana*, 162
BURKOW, I.C., and Henderson, R.J., Analysis of Polymers from Autoxidized Marine Oils by Gel Permeation HPLC Using a Light-Scattering Detector, 227
BUTLER, A., *see* Burgess, J.R.
BYRD, W., *see* Miyaura, S.

C

CABEZAS, J.A., *see* Sánchez-Yagüe, J.
CAELLES, C., *see* Bach, T.J.
CALZADA, C., Véricel, E., and Lagarde, M., Decrease in Platelet Reduced Glutathione Increases Lipoxygenase Activity and Decreases Vitamin E, 696
CAMPBELL, F., *see* Weete, J.D.
CAPLAN, M.S., Sun, X.-M., and Hsueh, W., Hypoxia, PAF, and Necrotizing Enterocolitis, 1340
CARBALLEIRA, N.M., and Rodriguez, J., Two Novel Phospholipid Fatty Acids from the Caribbean Sponge *Geodia gibberosa*, 324
CARDOT, P., *see* Rayssiguier, Y.
CARLSON, T.L., and Kottke, B.A., ApoA-I Secretion by Rabbit Intestinal Mucosa Cell Cultures, 684
CASALS-STENZEL, J., Thieno-triazolo-1,4-diazepines as Antagonists of Platelet-Activating Factor: Present Status, 1157
CASTELLANI, L.W., *see* Zhang, Z.J.
CERIANI, R.L., *see* Lin, C.
CHAMBON, C., Ladeveze, V., Servouse, M., Blanchard, L., Javelot, C., Vladescu, B., and Karst, F., Sterol Pathway in Yeast. Identification and Properties of Mutant Strains Defective in Mevalonate Diphosphate Decarboxylase and Farnesyl Diphosphate Synthetase, 633
CHAPMAN, M.J., *see* Hermier, D.
CHAU, L.Y., Protein Kinase C Is Not Involved in the Desensitization of Platelet-Activating Factor Receptor in Rabbit Platelets, 1076
CHENG, N.-N., *see* Sugiura, T.
CHEVY, F., Wolf, C., and Colard, O., A Unique Pool of Free Arachidonate Serves as Substrate for both Cyclooxygenase and Lipoxygenase in Platelets, 1080
CHIANG, M.T., Otomo, M.I., Itoh, H., Furukawa, Y., Kimura, S., and Fujimoto, H., Effect of *trans* Fatty Acids on Plasma Lipids, Platelet Function and Systolic Blood Pressure in Stroke-Prone Spontaneously Hypertensive Rats, 46
CHILTON, F.H., Cluzel, M., and Triggiani, M., Recent Advances in Our Understanding of the Biochemical Interactions Between Platelet-Activating Factor and Arachidonic Acid, 1021
CHITRAKORN, S., *see* Parish, E.J.
CHITWOOD, D.J., and Lusby, W.R., Metabolism of Plant Sterols by Nematodes, 619
CHO, B.H.S., and Park, J.R., Compositional Changes and Apoprotein A-I Metabolism of Plasma High Density Lipoprotein in Estrogenized Chicks, 819
CHOY, P.C., *see* Hu, W.
CHUNG, K.F., and Barnes, P.J., Role for Platelet-Activating Factor in Asthma, 1277
CIANFLONE, K., *see* Yasruel, Z.
CINADER, B., *see* Venkatraman, J.T.
CINTI, D.L., *see* Suneja, S.K.
CLANDININ, M.T., *see* Turini, M.E.
see Venkatraman, J.T.
CLAY, K.L., *see* Zirrolli, J.A.
CLAYTON, M.K., *see* Lai, H.-C.
CLEVIDENCE, B.A., and Ballard-Barbash, R., Tocopherol Contents of Lipoproteins from Frozen Plasma Separated by Affinity Chromatography, 723
see Ferretti, A.
CLUETTE-BROWN, J.E., *see* Hojnacki, J.L.
CLUZEL, M., *see* Chilton, F.H.
COLARD, O., *see* Chevy, F.
COOK, L., *see* Suneja, S.K.
COONEY, S.J., Smal, M.A., and Baldo, B.A., Quantitation by Radioimmunoassay of PAF in Human Saliva, 1140
CORASH, L., *see* Nelson, G.J.
CORDEIRO, R.S.B., *see* Amorim, C.Z.
CORRING, T., *see* Legrand-Defretin, V.
CRAIG, D.C., *see* Suarna, C.
CRESS, E.A., *see* Blank, M.L.
CRILLY, K.S., *see* Kiss, Z.

D

DALLNER, G., *see* Jakobsson-Borin, Å.
see Söderberg, M.
DARIUS, H., *see* Heuer, H.O.
DAVENPORT, N.J., *see* Goldstein, R.E.
DAVIS, II, J.W., Vanden Heuvel, J.P., and Peterson, R.E., Effects of Perfluorodecanoic Acid on *de novo* Fatty Acid and Cholesterol Synthesis in the Rat, 857
DE ANTUENO, R.J., *see* de Bravo, M.G.
DE BRAVO, M.G., de Antueno, R.J., Tbledo, J., De Tomás, M.E., Mercuri, O.F., and Quintans, C., Effect of an Eicosapentaenoic and Docosahexaenoic Acid Concentrate on a Human Lung Carcinoma Grown in Nude Mice, 866
DE LA ROSA, R.I., *see* Burgess, J.R.
DE NICOLÁS, R., *see* Hernando, P.
DENIZOT, Y., Michel, L., Benveniste, J., Meybeck, A., Thomas, Y., and Dubertret, L., Paf-Acether in Human Skin, 1093
DESCHENES, R.N., *see* Hojnacki, J.L.
DE SCHRIJVER, R., and Vermeulen, D., Separation and Quantitation of Phospholipids in Animal Tissues by Iatroscan TLC/FID, 74
Vermeulen, D., and Backx, S., Digestion and Absorption of Free and Esterified Fish Oil Fatty Acids in Rats, 400
DESHAIES, Y., *see* Bergeron, N.
DE TOMÁS, M.E., Mercuri, O., and Serres, C., Metabolic Transformation of Intracraneally Injected [1-^{14}C]Linoleic and [1-^{14}C]α-Linolenic Acids in Malnourished Developing Rat, 891
see de Bravo, M.G.
DICK, J.R., *see* Bell, M.V.
DIVE, G., *see* Godfroid, J.-J.
see Lamotte-Brasseur, J.
DMITRIEVA, A.V., *see* Sagach, V.F.
DOEBBER, T.W., Wu, M.S., Mauriello, A., and Alberts, A., Platelet-Activating Factor (PAF) Stimulates the Lyso-PAF Acetyltransferase in Leukocyte-Rich Plasma: Use in PAF Antagonist Studies, 997
DOS SANTOS, O.F.P., Boim, M.A., Barros, E.J.G., Pirotzky, E., Braquet, P., and Schor, N., Nephrotoxicity of Cyclosporine: The Role of Platelet-Activating Factor and Thromboxane, 1320
DRISCOLL, E.R., and Bettger, W.J., The Effect of Dietary Zinc Deficiency on the Lipid Composition of the Rat Erythrocyte Membrane, 459
DROY-LEFAIX, M-T., *see* Pons, L.
DUAX, W.L., *see* Nes, W.D.
DUBERTRET, L., *see* Denizot, Y.
DUDEK, R., *see* Wolf, A.
DUPUY, P., Saunière, J.F., Vis, H.L., Leclaire, M., and Lombardo, D., Change in Bile Salt Dependent Lipase in Human Breast Milk During Extended Lactation, 134
DURAND, G., *see* Ulmann, L.
DURANTHON, V., Frémont, L., and Léger, C.L., Effect of Essential Fatty Acid Deficiency on Lipid Composition of Basolateral Plasma Membrane of Pig Intestinal Mucosal Cells, 175
DYAS, L., Prescott, M.C., Evershed, R.P., and Goad, L.J., Steryl Esters in a Cell Suspension Culture of Celery *(Apium graveolens)*, 536

E

EDLUND, C., *see* Söderberg, M.
EGAN, R.W., *see* Billah, M.M.
EGGERTSEN, G., *see* AL-Shurbaji, A.
EGIDO, J., *see* Hernando, P.
see Ortiz, A.
EHRINGER, W.D., *see* Jenski, L.J.
EHRLICH, Y.H., *see* Kornecki, E.
EIBL, H., *see* Shoji, M.
see Unger, C.
see Vogler, W.R.
EINARSSON, K., *see* Ståhlberg, D.
EKLUND, A., *see* Lindholm, M.
ELAM, M.B., *see* Zhang, Z.J.
EMKEN, E.A., Adlof, R.O., and Abraham, S., Metabolism of Meadowfoam Oil Fatty Acids in Mice, 736
ENSINGER, H.A., *see* Birke, F.W.
ENSLEN, M., Milon, H., and Malnoë, A., Effect of Low Intake of n-3 Fatty Acids During Development on Brain Phospholipid Fatty Acid Composition and Exploratory Behavior in Rats, 203
ETIENNE, J., *see* Rayssiguier, Y.
EVERSHED, R.P., *see* Dyas, L.
EWING, S.L., *see* Gebhard, R.L.

F

FELDLAUFER, M.F., *see* Svoboda, J.A.
FERNANDES, G., *see* Laganiere, S.
FERREIRA, M.G., Braquet, P., and Fonteles, M.C., Effect of PAF Antagonists on Renal Vascular Escape and Tachyphylaxis in Perfused Rabbit Kidney, 1329
FERRER, A., *see* Bach, T.J.
FERRETTI, A., Judd, J.T., Ballard-Barbash, R., Nair, P.P., Taylor, P.R., and Clevidence, B.A., Effect of Fish Oil Supplementation on the Excretion of the Major Metabolite of Prostaglandin E in Healthy Male Subjects, 500
FEUERSTEIN, G.Z., *see* Goldstein, R.E.
see Rabinovici, R.
FIELD, F.J., Albright, E., and Mathur, S., Inhibition of Acylcoenzyme A:Cholesterol Acyltransferase Activity by PD128042: Effect on Cholesterol Metabolism and Secretion in CaCo-2 Cells, 1
FILEP, J., Braquet, P., and Mozes, T., Significance of Platelet-Activating Factor in Mesenteric Ischemia-Reperfusion, 1336
Herman, F., and Braquet, P., Platelet-Activating Factor May Mediate Dexamethasone-Induced Gastric Damage in the Rat, 1356
FINLAYSON-PITTS, B.J., *see* Lai, C.C.
FISCHER, C., and Höll, W., Free Sterols, Steryl Esters, and Lipid Phosphorus in Needles of Scot's Pine (*Pinus sylvestris* L.), 934
FLEER, E.A.M., *see* Shoji, M.
FLEMING, S., *see* O'Neill, C.
FLORY, J., *see* Venkatraman, J.T.
FLOR ZAFRA, M., *see* Rodriguez-Vico, F.
FOGLIA, T.A., and Maeda, K., High-Performance Liquid Chromatographic Separation of Enantiomeric Alkyl Glycerol Ethers, 769
FONTELES, M.C., *see* Ferreira, M.G.
FRANCESCANGELI, E., *see* Goracci, G.
FRANKEL, E.N., and Tappel, A.L., Headspace Gas Chromatography of Volatile Lipid Peroxidation Products from Human Red Blood Cell Membranes, 479
FRÉMONT, L., *see* Duranthon, V.
FUJIMOTO, H., *see* Chiang, M.T.
FUJIMOTO, K., *see* Kanazawa, A.
FUJIMURA, K., *see* Sugatani, J.
FUJISAWA, C., *see* Kanayasu, T.
FUJITA, M., *see* Sugiura, T.
FUKADA, Y., Kimura, K., and Ayaki, Y., Effect of Chitosan Feeding on Intestinal Bile Acid Metabolism in Rats, 395
FUKUDA, T., *see* Ojima-Uchiyama, A.
see Sugiura, T.
FUKUSHI, K., *see* Mikami, T.
FUKUSHIGE, J., *see* Miyamoto, M.
FURUKAWA, Y., *see* Chiang, M.T.

G

GALANAUD, P., *see* Leprince, C.
GANBO, T., *see* Hisamatsu, K-i.
GANDHI, C.R., and Olson, M.S., PAF Effects on Transmembrane Signaling Pathways in Rat Kupffer Cells, 1038
GANGULY, A.K., *see* Billah, M.M.
GARCIA-PEREGRIN, E., *see* Rodríguez-Vico, F.
GAVINO, G.R., and Gavino, V.C., Modulation of Polyunsaturated Fatty Acid Content of Triglycerides in Rat Pre-Adipocytes in Culture,

705
and Gavino, V.C., Rat Liver Outer Mitochondrial Carnitine Palmitoyltransferase Activity Towards Long-Chain Polyunsaturated Fatty Acids and Their CoA Esters, 266
see Martin, L.J.
GAVINO, V.C., *see* Gavino, G.R.
see Martin, L.J.
GEBHARD, R.L., Ewing, S.L., Schlasner, L.A., Hunninghake, D.B., and Prigge, W.F., Effect of 3-Hydroxy-3-methylglutaryl Coenzyme A Reductase Inhibition on Human Gut Mucosa, 492
GERASIMOVA, E., Perova, N., Ozerova, I., Polessky, V., Metelskaya, V., Sherbakova, I., Levachev, M., Kulakova, S., Nikitin, Yu., and Astakhova, T., The Effect of Dietary n-3 Polyunsaturated Fatty Acids on HDL Cholesterol in Chukot Residents *vs* Muscovites, 261
GERWICK, W.H., *see* Jiang, Z.D.
GHOSH, S., and Grogan, W.M., Rapid Three-Step Purification of a Hepatic Neutral Cholesteryl Ester Hydrolase Which Is Not the Pancreatic Enzyme, 793
GLADU, P.K., Patterson, G.W., Wikfors, G.H., and Lusby, W.R., Free and Combined Sterols of *Pavlova gyrans*, 656
GOAD, L.J., *see* Dyas, L.
GODFROID, J.-J., Dive, G., Lamotte-Brasseur, J., Batt, J.-P., and Heymans, F., PAF Receptor Structure: A Hypothesis, 1162
see Lamotte-Brasseur, J.
GOLDSTEIN, R.E., Feuerstein, G.Z., Bradley, L.M., Stambouly, J.J., Laurindo, F.R.M., and Davenport, N.J., Cardiovascular Effects of Platelet-Activating Factor, 1250
GOMEZ-CHLARRI, M., *see* Ortiz, A.
GONZÁLEZ, E., *see* Hernando, P.
see Ortiz, A.
GORACCI, G., and Francescangeli, E., Properties of PAF-Synthesizing Phosphocholinetransferase and Evidence for LysoPAF Acetyltransferase Activity in Rat Brain, 986
GOTO, T., *see* Mimura, K.
GREBENOK, R.J., Ripa, P.V., and Adler, J.H., Occurrence and Levels of Ecdysteroids in Spinach, 666
GREEN, M.J., *see* Billah, M.M.
GREENE, H.L., *see* Beckman, J.K.
GRIFFIN, J.F., *see* Nes, W.D.
GROGAN, W.M., Bailey, M.L., Heuman, D.M., and Vlahcevic, Z.R., Effect of Perturbations in Hepatic Free and Esterified Cholesterol Pools on Bile Acid Synthesis, Cholesterol 7α-Hydroxylase, HMG-CoA Reductase, Acyl-CoA:Cholesterol Acyltransferase and Cytosolic Cholesteryl Ester Hydrolase, 907
see Ghosh, S.
GRONOWITZ, S., *see* Stamatov, S.D.
GROVE, D., and Pownall, H.J., Comparative Specificity of Plasma Lecithin:Cholesterol Acyltransferase from Ten Animal Species, 416
GUCCIONE, M.A., *see* Packham, M.A.
GUETTET, C., Rostaqui, N., Mathé, D., Lecuyer, B., Navarro, N., and Jacotot, B., Effect of Chronic Glucagon Administration on Lipoprotein Composition in Normally Fed, Fasted and Cholesterol-Fed Rats, 451
GUEUX, E., *see* Rayssiguier, Y.
GUILBAUD, J., *see* Braquet, P.
GUSTAFSON, K.S., *see* Tolins, J.P.

H

HAAS, M.J., *see* Bilyk, A.
HAJDU, J., *see* Bhatia, S.K.
see Vogler, W.R.
HAMBERG, M., Regio- and Stereochemical Analysis of Trihydroxyoctadecenoic Acids Derived from Linoleic Acid 9- and 13-Hydroperoxides, 407
HARA, H., *see* Yamada, T.
HARADA, M., *see* Arimura, A.
HARE, W.R., and Wahle, K.W.J., The Participation of Soluble Factors in the ω-Oxidation of Fatty Acids in the Liver of the Sheep, 102
HARRINGTON, A.J., Russell, K.A., Singer, T.D., and Ballantyne, J.S., The Effects of Tricaine Methanesulfonate (MS-222) on Plasma Nonesterified Fatty Acids in Rainbow Trout, *Oncorhynchus mykiss*, 774
HARRIS, T., *see* Stewart, A.G.
HASEGAWA, Y., Kunow, E., Shindou, J., and Yuki, H., Determination of Platelet-Activating Factor by a Chemiluminescence Method and Its Application to Stimulated Guinea Pig Neutrophils, 1117
HASHIMOTO, M., *see* Shimazaki, N.
HASLER, C.M., Trosko, J.E., and Bennink, M.R., Incorporation of n-3 Fatty Acids into WB-F344 Cell Phospholipids Inhibits Gap Junctional Intercellular Communication, 788
HAYASAKA, A., *see* Kikugawa, K.
HAYASHI, H., Kudo, I., Nojima, S., and Inoue, K., Biological Response of Guinea Pig Peritoneal Macrophages to Platelet-Activating Factor, 1193
see Kudo, I.
HAYASHI, M., Imai, Y., and Oh-ishi, S., Phorbol Ester Stimulates PAF Synthesis *via* the Activation of Protein Kinase C in Rat Leukocytes, 1054
see Imai, Y.
see Kanazawa, A.
HAYES, K.C., Khosla, P., and Pronczuk, A., Diet-Induced Type IV-Like Hyperlipidemia and Increased Body Weight Are Associated with Cholesterol Gallstones in Hamsters, 729
see Pronczuk, A.
HAZEL, J.R., Williams, E.E., Livermore, R., and Mozingo, N., Thermal Adaptation in Biological Membranes: Functional Significance of Changes in Phospholipid Molecular Species Composition, 277
HEALEY, S., *see* Tou, J.-s.
HEGDE, S.N., *see* Shetty, S.
HEIMBERG, M., *see* Zhang, Z.J.
HEMMI, K., *see* Shimazaki, N.
HENDERSON, R.J., *see* Burkow, I.C.
HENRIQUES, M.G.M.O., *see* Amorim, C.Z.
HENRY, R., *see* Legrand-Defretin, V.
HERMAN, F., *see* Filep, J.
HERMIER, D., Saadoun, A., Salichon, M.-R., Sellier, N., Rousselot-Paillet, D., and Chapman, M.J., Plasma Lipoproteins and Liver Lipids in Two Breeds of Geese with Different Susceptibility to Hepatic Steatosis: Changes Induced by Development and Force-Feeding, 331
HERNANDO, P., Egido, J., de Nicolás, R., and González, E., IgA Immune Aggregates Stimulate Platelet-Activating Factor and Superoxide Anion Production by Human Neutrophils. A Comparison with IgG Aggregates, 1231
HERRMANN, D.B.J., Opitz, H.-G., and Munder, P.G., Antitumor Activity of Ilmofosine (BM 41.440) in the Lewis-Lung Carcinoma Model, 1431
HEUER, H.O., The Involvement of Platelet-Activating Factor (PAF) in Septic Shock and Priming as Indicated by the Effect of Hetrazepinoic PAF Antagonists, 1369
Effect of the Hetrazepinoic Platelet-Activating Factor Antagonist Bepafant (WEB 2170) in Models of Active and Passive Anaphylaxis in Mice and Guinea Pigs, 1374
Darius, H., Lohmann, H.F., Meyer, J., Schierenberg, M., and Treese, N., Platelet-Activating Factor Type Activity in Plasma from Patients with Septicemia and Other Diseases, 1381
HEUMAN, D.M., *see* Grogan, W.M.
HEYMANS, F., *see* Godfroid, J.-J.
see Lamotte-Brasseur, J.
HIBINO, A., *see* Mimura, K.
HIRONO, H., *see* Kanazawa, A.
HIROSE, T., *see* Aikawa, T.
HISAMATSU, K.-i., Ganbo, T., Nakazawa, T., and Murakami, Y., Platelet-Activating Factor Induced Respiratory Mucosal Damage, 1287
HOJNACKI, J.L., Cluette-Brown, J.E., Deschenes, R.N., Mulligan, J.J., Osmolski, T.V., Rencricca, N.J., Barboriak, J.J., and Jakubowski, J.A., Effect of Ethanol on Low Density Lipoprotein and Platelet Composition, 884
HOLCOMBE, B.N., *see* Jandacek, R.J.
HOLDEN, M.J., and Patterson, G.W., Absence of Sterol Biosynthesis in Oyster Tissue Culture, 81

HOLDSWORTH, J.E., and Ratledge, C., Triacylglycerol Synthesis in the Oleaginous Yeast *Candida curvata* D, 111
HÖLL, W., *see* Fischer, C.
HOLUB, B.J., *see* Thomas, L.M.
HONDA, H., *see* Parish, E.J.
HONG, C.I., West, C.R., Bernacki, R.J., Tebbi, C.K., and Berdel, W.E., 1-β-D-Arabinofuranosylcytosine Conjugates of Ether and Thioether Phospholipids. A New Class of Ara-C Prodrug with Improved Antitumor Activity, 1437
HONGO, T., *see* Karasawa, K.
HONMA, Y., Kasukabe, T., Hozumi, M., Akimoto, H., and Nomura, H., Induction of Differentiation of Human Myeloid Leukemia HL-60 Cells by Novel Nonphosphorus Alkyl Ether Lipids, 1445
HORII, T., Okazaki, H., Kino, M., Kobayashi, Y., Satouchi, K., and Saito, K., Platelet-Activating Factor Detected in Bronchoalveolar Lavage Fluids from an Asthmatic Patient, 1292
HOSFORD, D., *see* Braquet, P.
see Lamotte-Brasseur, J.
HOSHIHARA, Y., *see* Nogami, M.
HOSHI-HASHIZUME, M., *see* Urano, S.
HOZUMI, M., *see* Honma, Y.
HSUEH, W., *see* Caplan, M.S.
HU, W., Choy, P.C., and Man, R.Y.K., Characterization of the Coronary Vascular Responses to Platelet-Activating Factor in the Isolated Perfused Heart, 700
HUANG, M.Q., *see* Weete, J.D.
HUANG, Y.S., *see* Wainwright, P.E.
HULTKVIST-BENGTSSON, U., Anderson, G.P., Kings, M., and Morley, J., Platelet-Activating Factor-Induced Pulmonary Accumulation of ^{111}Indium-Oxine Labelled Neutrophils in Anesthetized Guinea Pigs, 1283
HUNNINGHAKE, D.B., *see* Gebhard, R.L.
HWANG, S.-B., and Lam, M.-H., L-659,989: A Useful Probe in the Detection of Multiple Conformational States of PAF Receptors, 1148

I

ICHIHARA, K., and Tanaka, C., Phospholipid Requirement of Progesterone 5α-Reductase from Gastric Mucosa Microsomes of Guinea Pig, 531
IGIMI, H., *see* Uchida, K.
IIJIMA, Y., *see* Miyamoto, M.
IKEDA, I., Marakami, J., Oka, T., Sugano, M., Yamada, H., Shimizu, S., Kawashima, H., Shinmen, Y., and Amachi, T., Effect of Oleic, Arachidonic and 5,8,11,14-Nonadecatetraenoic Acids on Lipid Secretion and Ketogenesis in Perfused Rat Liver, 27
Oda, M., Sakakura, M., and Yasunaga, K., Presence of Platelet- Activating Factor in Pyuria in Humans, 1333
Tomari, Y., Sugano, M., Watanabe, S., and Nagata, J., Lymphatic Absorption of Structured Glycerolipids Containing Medium-Chain Fatty Acids and Linoleic Acid, and Their Effect on Cholesterol Absorption in Rats, 369
IKIZAWA, K., *see* Kudo, I.
IMAI, Y., Hayashi, M., and Oh-ishi, S., Involvement of Platelet- Activating Factor in Zymosan-Induced Rat Pleurisy, 1408
see Hayashi, M.
IMAIZUMI, T.-A., Intravascular Release of a Platelet-Activating Factor-Like Lipid (PAF-LL) Induced by Cigarette Smoking, 1269
IMANISHI, N., Komuro, Y., and Morooka, S., Effect of a Selective PAF Antagonist SM-10661 ((±)-*cis*-3,5-Dimethyl-2-(3-pyridyl)-thiazolidin-4-one HCl) on Experimental Disseminated Intravascular Coagulation (DIC), 1391
see Sugasawa, T.
see Uchida, M.
INOUE, K., *see* Hayashi, H.
see Kudo, I.
ISHIDA, N., *see* Nagao, A.
ISHIHARA, K., *see* Nakamura, T.
ISHIHARA, S., *see* Uchida, K.
ISHII, T., *see* Kanayasu, T.
ISHITANI, K., *see* Mikami, T.
ISHITANI, M., *see* Mikami, T.
ITABASHI, Y., Marai, L., and Kuksis, A., Identification of Natural Diacylglycerols as the 3,5-Dinitrophenylurethanes by Chiral Phase Liquid Chromatography with Mass Spectrometry, 951
ITO, H., *see* Urano, S.
see Kanayasu, T.
ITOH, H., *see* Chiang, M.T.

J

JACOBS, R.S., *see* Burgess, J.R.
JACOTOT, B., *see* Guettet, C.
JACQUES, H., *see* Bergeron, N.
JAKOBSSON-BORIN, Å., Tollbom, Ö., and Dallner, G., Effect of Dietary Fat on Rat Liver Microsomal and Mitochondrial/Lysosomal Dolichol, Phospholipid and Cholesterol, 915
JAKUBOWSKI, J.A., *see* Hojnacki, J.L.
JANDACEK, R.J., The Solubilization of Calcium Soaps by Fatty Acids, 250
and Holcombe, B.N., The Excretion and Characterization of Intravenously Administered Olestra, 754
see Mattson, F.H.
JARRETT, H.W., *see* Ashman, W.H.
JARZEBSKI, A., 4-Desmethylsterols from the Marine Bivalve *Macoma balthica*, 561
JAVELOT, C., *see* Chambon, C.
JENSKI, L.J., Sturdevant, L.K., Ehringer, W.D., and Stillwell, W., ω3 Fatty Acids Increase Spontaneous Release of Cytosolic Components from Tumor Cells, 353
JIANG, Z.D., and Gerwick, W.H., An Aldehyde-Containing Galactolipid from the Red Alga *Gracilariopsis lemaneiformis*, 960
JIANG, Z.-Y., Woollard, A.C.S., and Wolff, S.P., Lipid Hydroperoxide Measurement by Oxidation of Fe^{2+} in the Presence of Xylenol Orange. Comparison with the TBA Assay and an Iodometric Method, 853
JOHNSTON, J.M., *see* Miyaura, S.
JOLY, F., *see* Ninio, E.
JONES, K.C., *see* Maerker, G.
JUDD, J.T., *see* Ferretti, A.
JUSTE, C., *see* Legrand-Defretin, V.

K

KAJIMOTO, G., *see* Yamamoto, K.
KANAHO, Y., *see* Kanoh, H.
KANAYASU, T., Morita, I., Nakao-Hayashi, J., Asuwa, N., Fujisawa, C., Ishii, T., Ito, H., and Murota, S-i., Eicosapentaenoic Acid Inhibits Tube Formation of Vascular Endothelial Cells *in vitro*, 271
KANAZAWA, A., Miyazawa, T., Hirono, H., Hayashi, M., and Fujimoto, K., Possible Essentiality of Docosahexaenoic Acid in Japanese Monkey Neonates: Occurrence in Colostrum and Low Biosynthetic Capacity in Neonate Brains, 53
KANEKO, T., Nakano, S-i., and Matsuo, M., Protective Effect of Vitamin E on Linoleic Acid Hydroperoxide-Induced Injury to Human Endothelial Cells, 345
KANOH, H., Kanaho, Y., and Nozawa, Y., Activation and Solubilization by Triton X-100 of Membrane-Bound Phospholipase D of Rat Brain, 426
KARASAWA, K., Satoh, N., Hongo, T., Nakagawa, Y., Setaka, M., and Nojima, S., Specific Binding of Antibodies to Platelet-Activating Factor (PAF) as Demonstrated by Thin-Layer Chromatography/Immunostaining, 1122
Satoh, N., Hongo, T., Nakagawa, Y., Setaka, M., and Nojima, S., Radioimmunoassay for Platelet-Activating Factor, 1126
KARST, F., *see* Chambon, C.
KASUKABE, T., *see* Honma, Y.
KATES, M., Adams, G.A., Blank, M.L., and Snyder, F., Chemical Syn-

thesis and Physiological Activity of Sulfonium Analogues of Platelet-Activating Factor, 1095
KATO, T., *see* Kikugawa, K.
see Kudo, I.
KAWASHIMA, H., *see* Ikeda, I.
see Shimizu, S.
KHACHADURIAN, A.K., *see* Amorosa, L.F.
KHOSLA, P., *see* Hayes, K.C.
KHOTIMCHENKO, S.V., *see* Vaskovsky, V.E.
KIKUGAWA, K., Kato, T., and Hayasaka, A., Formation of Dityrosine and Other Fluorescent Amino Acids by Reaction of Amino Acids with Lipid Hydroperoxides, 922
KIMURA, K., *see* Fukada, Y.
KIMURA, S., *see* Chiang, M.T.
KINGS, M., *see* Hultkvist-Bengtsson, U.
KINO, M., *see* Horii, T.
KINSELLA, J.E., *see* Whelan, J.
KISS, Z., Determination of Phospholipase D-Mediated Hydrolysis of Phosphatidylethanolamine, 321
and Crilly, K.S., Adenosine Triphosphate (ATP) and Other Nucleotides Stimulate the Hydrolysis of Phosphatidylethanolamine in Intact Fibroblasts, 777
KOBAYASHI, Y., *see* Horii, T.
KOIKE, H., *see* Miyamoto, M.
KOIZUMI, C., *see* Ohshima, T.
KOKKE, W.C.M.C., *see* Akihisa, T.
KOLTZ, P., *see* Braquet, P.
KOMURO, Y., *see* Imanishi, N.
KONDO, M., *see* Takahashi, S.
KORNECKI, E., and Ehrlich, Y.H., Calcium Ion Mobilization in Neuronal Cells Induced by PAF, 1243
KORTH, R., *see* O'Neill, C.
KOSYKH, V.A., Novikov, D.K., Trakht, I.N., Podrez, E.A., Victorov, A.V., Repin, V.S., and Smirnov, V.N., Effect of Chylomicron Remnants on Cholesterol Metabolism in Cultured Rabbit Hepatocytes: Very Low Density Lipoprotein and Bile Acid Production, 799
KOTTKE, B.A., *see* Carlson, T.L.
KOZYUKOV, A.V., *see* Pustynnikov, M.G.
KRAGBALLE, K., *see* Schäfer, L.
KRISTENSSON, K., *see* Söderberg, M.
KREUTNER, W., *see* Billah, M.M.
KUCERA, G.L., *see* Wilcox, R.W.
KUDO, I., Kato, T., Hayashi, H., Yanoshita, R., Ikizawa, K., Uda, H., and Inoue, K., Guinea Pig Bone Marrow Cells Treated with Platelet-Activating Factor Generate Factor(s) Which Affects Their DNA Synthesis and Microbicidal Activity, 1065
see Hayashi, H.
KUKSIS, A., Marai, L., and Myher, J.J., Plasma Lipid Profiling by Liquid Chromatography with Chloride-Attachment Mass Spectrometry, 240
see Itabashi, Y.
see Yang, L.-Y.
KULAKOVA, S., *see* Gerasimova, E.
KUNOW, E., *see* Hasegawa, Y.
KUO, J.F., *see* Shoji, M.
see Vogler, W.R.
KURIYAMA, M., *see* Nakamura, T.

L

LABODA, H.L., *see* Bennett Clark, S.
LADEVEZE, V., *see* Chambon, C.
LAGANIERE, S., and Fernandes, G., Study on the Lipid Composition of Aging Fischer-344 Rat Lymphoid Cells: Effect of Long-Term Calorie Restriction, 472
LAGARDE, M., *see* Calzada, C.
LAI, C.C., and Finlayson-Pitts, B.J., Reactions of Dinitrogen Pentoxide and Nitrogen Dioxide with 1-Palmitoyl-2-Oleoyl-*sn*-Glycero-3-Phosphocholine, 306
LAI, H.-C., Lasekan, J.B., Yang, H., Clayton, M.K., and Ney, D.M., *In vivo* Determination of Triglyceride Secretion Using Radioactive Glycerol in Rats Fed Different Dietary Saturated Fats, 824
LAM, M.-H., *see* Hwang, S.-B.
LAMOTTE-BRASSEUR, J., Heymans, F., Dive, G., Lamouri, A., Batt, J.-P., Redeuilh, C., Hosford, D., Braquet, P., and Godfroid, J.-J., PAF Receptor and "Cache-Oreilles" Effect. Simple PAF Antagonists, 1167
see Godfroid, J.-J.
LAMOURI, A., *see* Lamotte-Brasseur, J.
LARSSON-BACKSTRÖM, C., *see* AL-Shurbaji, A.
LASEKAN, J.B., *see* Lai, H.-C.
LAURINDO, F.R.M., *see* Goldstein, R.E.
LAVIGNE, C., *see* Bergeron, N.
LECLAIRE, M., *see* Dupuy, P.
LECUYER, B., *see* Guettet, C.
LÉGER, C.L., *see* Duranthon, V.
LEGRAND-DEFRETIN, V., Juste, C., Henry, R., and Corring, T., Ion-Pair High-Performance Liquid Chromatography of Bile Salt Conjugates: Application to Pig Bile, 578
LEMMENS, A.G., *see* Meijer, G.W.
LEPRINCE, C., Vivier, E., Treton, D., Galanaud, P., Benveniste, J., Richard, Y., and Thomas, Y., Immunoregulatory Functions of Paf-Acether. VI. Dual Effect on Human B Cell Proliferation, 1204
LERMA, J.L., *see* Ortiz, A.
LEVACHEV, M., *see* Gerasimova, E.
LIE KEN JIE, M.S.F., and Syed-Rahmatullah, M.S.K., Preparation and Some Spectroscopic Properties of *N*-Heterocyclic Derivatives of a Novel 1-Pyrroline C_{18} Fatty Ester, 842
and Wong, K-P., A Novel Method for the Introduction of a Methyl Group into the Furan Ring of a 2,5-Disubstituted C_{18} Furanoid Fatty Ester *via* a Malonic Acid Function, 837
LIN, C., Blank, E.W., Ceriani, R.L., and Baker, N., Evidence of Extensive Phospholipid Fatty Acid Methylation During the Assumed Selective Methylation of Plasma Free Fatty Acids by Diazomethane, 548
LINDGREN, F.T., Adamson, G.L., Shore, V.G., Nelson, G.J., and Schmidt, P.C., Effect of a Salmon Diet on the Distribution of Plasma Lipoproteins and Apolipoproteins in Normolipidemic Adult Men, 97
LINDHOLM, M., and Eklund, A., The Effects of Dietary Protein on the Fatty Acid Composition and Δ6 Desaturase Activity of Rat Hepatic Microsomes, 107
LIVANT, P., *see* Parish, E.J.
LIVERMORE, R., *see* Hazel, J.R.
LIVNE, A., *see* Packham, M.A.
LLANILLO, M., *see* Sánchez-Yagüe, J.
LOHMANN, H.F., *see* Heuer, H.O.
LOMBARDO, D., *see* Dupuy, P.
LORENZ, R.T., and Parks, L.W., Involvement of Heme Components in Sterol Metabolism of *Saccharomyces cerevisiae*, 598
LOUBATIERES-MARIANI, M.-M., *see* Sauvaire, Y.
LUMB, R.H., *see* Pool, G.L.
LUSBY, W.R., *see* Chitwood, D.J.
see Gladu, P.K.

M

MADÈRE, R., *see* Behrens, W.A.
MAEDA, H., *see* Nakamura, T.
MAEDA, K., *see* Foglia, T.A.
MAERKER, G., and Jones, K.C., Unusual Product Ratios Resulting from the Gamma-Irradiation of Cholesterol in Liposomes, 139
MAEYAMA, K., *see* Sasaki, M.
MAKAROVA, O.V., *see* Pustynnikov, M.G.
MAKI, N., *see* Miyaura, S.
MAKINO, K., and Scanu, A.M., Lipoprotein(a): Nonhuman Primate Models, 679
MAKINO, S., *see* Ojima-Uchiyama, A.
MALNOË, A., *see* Enslen, M.
MAN, R.Y.K., *see* Hu, W.
MANGOLD, H.K., Apte, S.S., and Weber, N., Biotransformation of Alkylglycerols in Plant Cell Cultures: Production of Platelet Activating Factor and Other Biologically Active Ether Lipids, 1086
MANIONGUI, C., *see* Ulmann, L.

MARAI, L., *see* Itabashi, Y.
see Kuksis, A.
MARCHESELLI, V.L., *see* Bazan, N.G.
MARIEN, K., *see* McKim, Jr., J.M.
MARTIN, L.J., Reaidi, G.B., Gavino, G.R., and Gavino, V.C., Effect of 4,7,10,13,16,19-Docosahexaenoic Acid on Triglyceride Accumulation and Secretion in Rat Hepatocytes in Culture, 374
MARTÍNEZ-CAYUELA, M., *see* Rodriguez-Vico, F.
MARTUCCI, C.P., *see* Amorosa, L.F.
MARUYAMA, S., *see* Uchiyama, S.
MASE, T., *see* Yamada, T.
MASUGI, F., *see* Sakaguchi, K.
MASUZAWA, Y., *see* Ojima-Uchiyama, A.
see Sugiura, T.
MATHÉ, D., *see* Guettet, C.
MATHUR, S., *see* Field, F.J.
MATSUMOTO, I., *see* Aikawa, T.
MATSUMOTO, T., *see* Akihisa, T.
MATSUMURA, Y., *see* Nakamura, T.
MATSUO, M., *see* Kaneko, T.
see Urano, S.
MATTSON, F.H., and Jandacek, R.J., Distribution Among Tissues of Intravenously Administered Sucrose Octaoleate, 750
MAURIELLO, A., *see* Doebber, T.W.
MAZUR, A., *see* Rayssiguier, Y.
MCCARTHY, S.G., *see* Baillargeon, M.W.
MCCASKILL, A.C., *see* Baldo, B.A.
MCCUTCHEON, D., *see* Wainwright, P.E.
MCINTOSH, G., *see* Wahle, K.W.J.
MCINTYRE, T.M., *see* Stafforini, D.M.
MCKIM, JR., J.M., Marien, K., Schaup, H.W., and Selivonchick, D.P., Alterations of Hepatic Acetyl-CoA Carboxylase by 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin, 521
MCMAHON, R.F., *see* Young, P.R.
MEIER, C.A., *see* Raederstorff, D.
MEIJER, G.W., Lemmens, A.G., Versluis, A., Van Zutphen, L.F.M., and Beynen, A.C., The Hypercholesterolemic Effect of Dietary Coconut Fat *versus* Corn Oil in Hypo- or Hyperresponsive Rabbits Is Not Exerted Through Influencing Cholesterol Absorption, 340
MELEMED, A., *see* Tolins, J.P.
MERCER, E.I., Sterol Biosynthesis Inhibitors: Their Current Status and Modes of Action, 584
MERCURI, O., *see* De Tomás, M.E.
MERCURI, O.F., *see* de Bravo, M.G.
METELSKAYA, V., *see* Gerasimova, E.
MEYBECK, A., *see* Denizot, Y.
MEYER, J., *see* Heuer, H.O.
MICHEL, L., *see* Denizot, Y.
MIKAMI, T., Fukushi, K., Ishitani, M., Ishitani, K., Suzuki, S., and Suzuki, M., Induction of Platelet-Activating Factor in Mice by Intravenous Administration of a Neutral Fraction of Bakers' Yeast Mannan, 1404
MILLER, K.S., *see* Weete, J.D.
MILLS, D.E., *see* Wainwright, P.E.
MILNE, L., *see* Wahle, K.W.J.
MILON, H., *see* Enslen, M.
MIMURA, K., Yukawa, S., Mori, Y., Okada, K., Mune, M., Nishikawa, O., Hibino, A., Sonobe, M., Goto, T., and Nomoto H., Effect of Platelet-Activating Factor on Lipoprotein Lipase and Blood Lipids, 1102
MINE, Y., *see* Aikawa, T.
MISSO, N.L.A., *see* Wainwright, P.J.
MIWA, M., *see* Sugatani, J.
MIYAMOTO, M., Koike, H., Sada, T., Iijima, Y., Fukushige, J., and Nakamura, N., The Effects of R-75,317 on Antiglomerular Basement Membrane Glomerulonephritis in Rats, 1316
MIYAMOTO, T., *see* Nakamura, T.
see Nogami, M.
MIYAURA, S., Maki, N., Byrd, W., and Johnston, J.M., The Hormonal Regulation of Platelet-Activating Factor Acetylhydrolase Activity in Plasma, 1015
MIYAZAWA, T., *see* Kanazawa, A.
MORI, Y., *see* Mimura, K.
MORIKAWA, T., *see* Aikawa, T.
MORIMOTO, S., *see* Sakaguchi, K.
MORITA, I., *see* Kanayasu, T.
MORLEY, J., *see* Hultkvist-Bengtsson, U.
MORLEY, JR., S.A., *see* Beckman, J.K.
MOROOKA, S., *see* Imanishi, N.
see Sugasawa, T.
see Uchida, M.
MOSER, U., *see* Raederstorff, D.
MOSKALEVA, E.Yu., *see* Pustynnikov, M.G.
MOURENTE, G., Tocher, D.R., and Sargent, J.R., Specific Accumulation of Docosahexaenoic Acid (22:6n-3) in Brain Lipids During Development of Juvenile Turbot *Scophthalamus maximus* L., 871
MOZES, T., *see* Filep, J.
MOZINGO, N., *see* Hazel, J.R.
MULLIGAN, J.J., *see* Hojnacki, J.L.
MUNDER, P.G., *see* Herrmann, D.B.J.
MUNE, M., *see* Mimura, K.
MURAKAMI, J., *see* Ikeda, I.
MURAKAMI, Y., *see* Hisamatsu, K.-i.
MURASE, K., *see* Yamada, T.
MUROTA, S.-I., *see* Kanayasu, T.
MURPHY, R.C., *see* Zirrolli, J.A.
MYHER, J.J., *see* Kuksis, A.
see Yang, L.-Y.

N

NAGAO, A., Ishida, N., and Terao, J., Synthesis of 6-Phosphatidyl-L-Ascorbic Acid by Phospholipase D, 390
NAGAOKA, H., *see* Yamada, T.
NAGATA, J., *see* Ikeda, I.
NAGI, M.N., *see* Suneja, S.K.
NAIR, P.P., *see* Ferretti, A.
NAITO, Y., *see* Takahashi, S.
NAKAGAWA, Y., *see* Karasawa, K.
see Sugiura, T.
NAKAMURA, N., *see* Miyamoto, M.
NAKAMURA, T., Kuriyama, M., Ishihara, K., Matsumura, Y., and Miyamoto, T., Platelet-Activating Factor (PAF) in Allergic Diseases: Inhibitory Effects of Anti-Allergic Drugs, Ketotifen and Three Kampo Medicines on PAF Production, 1297
and Maeda, H., A Simple Assay for Lipid Hydroperoxides Based on Triphenylphosphine Oxidation and High-Performance Liquid Chromatography, 765
NAKANO, S.-I., *see* Kaneko, T.
NAKAO-HAYASHI, J., *see* Kanayasu, T.
NAKAYAMA, T., *see* Yamamoto, K.
NAKAZAWA, T., *see* Hisamatsu, K.-i.
NAVARRO, N., *see* Guettet, C.
NELSON, G.J., Schmidt, P.C., and Corash, L., The Effect of a Salmon Diet on Blood Clotting, Platelet Aggregation and Fatty Acids in Normal Adult Men, 87
see Lindgren, F.T.
NES, W.D., Wong, R.Y., Griffin, J.F., and Duax, W.L., On the Structure, Biosynthesis, Function and Phylogeny of Isoarborinol and Motiol, 649
see Norton, R.A.
NEY, D.M., *see* Lai, H.-C.
NIKITIN, Yu., *see* Gerasimova, E.
NINIO, E., and Joly, F., Transmembrane Signalling and Paf-Acether Biosynthesis, 1034
see Schindler, P.W.
NISHIKAWA, O., *see* Mimura, K.
NOÉ, L., *see* Rayssiguier, Y.
NOGAMI, M., Hoshihara, Y., Tsubura, K., Yamamoto, T., Tabuchi, M., Miyamoto, T., and Shiga, J., The Effect of CV-3988 and CV-6209 on the Acute Gastric Erosions of Rats Due to Water-Immersion and Restraint Stress, 1354
NOJIMA, S., Platelet-Activating Factor (PAF): An Introduction, 965
see Hayashi, H.
see Karasawa, K.

NOMOTO, H., *see* Mimura, K.
NOMURA, H., *see* Honma, Y.
see Vogler, W.R.
NOMURA, Y., *see* Uchida, K.
NORTON, R.A., and Nes, W.D., Identification of Ergosta-6(7),8(14), 25(27)-trien-3β-ol and Ergosta-5(6),7(8),25(27)-trien-3β-ol, Two New Steroidal Trienes Synthesized by *Prototheca wickerhamii*, 247
NOVIKOV, D.K., *see* Kosykh, V.A.
NOZAWA, Y., *see* Kanoh, H.

O

ODA, M., *see* Ikeda, I.
O'FLAHERTY, J.T., *see* Rossi, A.G.
OGIHARA, T., *see* Sakaguchi, K.
OH-ISHI, S., *see* Hayashi, M.
see Imai, Y.
OHSHIMA, T., and Koizumi, C., Selected Ion Monitoring Gas Chromatography/Mass Spectrometry of 1,2-Diacylglycerol *tert*-Butyldimethylsilyl Ethers Derived from Glycerophospholipids, 940
OJIMA-UCHIYAMA, A., Masuzawa, Y., Sugiura, T., Waku, K., Fukuda, T., and Makino, S., Production of Platelet-Activating Factor by Human Normodense and Hypodense Eosinophils, 1200
see Sugiura, T.
OKA, T., *see* Ikeda, I.
OKADA, K., *see* Mimura, K.
OKAMOTO, M., *see* Shimazaki, N.
OKAMOTO, S., *see* Vogler, W.R.
OKAZAKI, H., *see* Horii, T.
OKUYAMA, H., *see* Watanabe, S.
OLOMU, J.M., and Baracos, V.E., Prostaglandin Synthesis and Fatty Acid Composition of Phospholipids and Triglycerides in Skeletal Muscle of Chicks Fed Combinations of Flaxseed Oil and Animal Tallow, 743
OLSON, A.C., *see* Vogler, W.R.
OLSON, M.S., *see* Gandhi, C.R.
O'NEILL, C., Ammit, A.J., Korth, R., Fleming, S., and Wells, X., The Effect of Inhibitors of Platelet Aggregation on the Metabolism of Platelet-Activating Factor (PAF) in Washed Rabbit Platelets, 1011
see Ammit, A.J.
OPITZ, H.-G., *see* Herrmann, D.B.J.
OPSTVEDT, J., *see* Pettersen, J.
ORTIZ, A., Gomez-Chlarri, M., Lerma, J.L., González, E., and Egido, J., The Role of Platelet-Activating Factor (PAF) in Experimental Glomerular Injury, 1310
OSEI, P., *see* Suneja, S.K.
OSMOLSKI, T.V., *see* Hojnacki, J.L.
OTOMO, M.I., *see* Chiang, M.T.
OTTO, D.A., *see* Baltzell, J.K.
OZEROVA, I., *see* Gerasimova, E.

P

PACKHAM, M.A., Guccione, M.A., Bryant, N.L., and Livne, A., Incorporation of Lipids Labeled with Various Fatty Acids into the Cytoskeleton of Aggregating Platelets, 485
PADMINI, S., and Rao, P.S., Enhanced β-Oxidative Utilization of [1-^{14}C]Palmitate During Active Myelinogenesis in Developing Rat Brain Under Nutritional Stress, 83
PAGE, C.P., The Contribution of Platelet-Activating Factor to Allergen-Induced Eosinophil Infiltration and Bronchial Hyperresponsiveness, 1280
PALMQUIST, D.L., and Schanbacher, F.L., Dietary Fat Composition Influences Fatty Acid Composition of Milk Fat Globule Membrane in Lactating Cows, 718
PANETTA, T., *see* Bazan, N.G.
PARISH, E.J., Honda, H., Chitrakorn, S., and Livant, P., A Facile Chemical Synthesis of Cholest-4-en-3-one. Carbon-13 Nuclear Magnetic Resonance Spectral Properties of Cholest-4-en-3-one and Cholest-5-en-3-one, 675
PARK, J.R., *see* Cho, B.H.S.
PARKS, L.W., *see* Lorenz, R.T.
PASCAL, G., *see* Ulmann, L.
PASSARELLI, M., *see* Thompson, P.J.
PATTERSON, K.A., *see* Weete, J.D.
PATTERSON, G.W., *see* Gladu, P.K.
see Holden, M.J.
see Salt, T.A.
PATTON, G.M., *see* Pronczuk, A.
PAUBERT-BRAQUET, M., *see* Braquet, P.
PEHOWICH, D., *see* Venkatraman, J.T.
PERKINS, E.G., *see* Shukla, V.K.S.
PEROVA, N., *see* Gerasimova, E.
PETERSON, R.E., *see* Davis, II, J.W.
PETTERSEN, J., and Opstvedt, J., *trans* Fatty Acids. 4. Effects on Fatty Acid Composition of Colostrum and Milk, 711
PHILLIPS, A.R., *see* Sellner, P.A.
PHILLIPS, M.J., *see* Thompson, P.J.
PIAZZA, G.J., *see* Bilyk, A.
PIROTZKY, E., *see* dos Santos, O.F.P.
see Santos, O.F.P.
PiWINSKI, J.J., *see* Billah, M.M.
PODREZ, E.A., *see* Kosykh, V.A.
POISSON, J.P., *see* Ulmann, L.
POLESSKY, V., *see* Gerasimova, E.
PONS, L., Droy-Lefaix, M.T., Braquet, P., and Buéno, L., Myoelectric Intestinal Disturbances in *Escherichia coli* Endotoxic Shock in Rats. Involvement of Platelet-Activating Factor, 1359
POOL, G.L., Samples, B., Turner, M.R., and Lumb, R.H., Acylation of Lyso Platelet-Activating Factor by Splenocytes of the Rainbow Trout, *Oncorhyncus mykiss*, 517
PORODENKO, N.V., *see* Pustynnikov, M.G.
POWNALL, H.J., *see* Grove, D.
PRASAD, V.V.T.S., Maternal Protein Deficiency in Rat: Effects on Central Nervous System Gangliosides and Their Catabolizing Enzymes in the Offspring, 553
PRESCOTT, M.C., *see* Dyas, L.
PRESCOTT, S.M., *see* Stafforini, D.M.
PRIGGE, W.F., *see* Gebhard, R.L.
PRONCZUK, A., Patton, G.M., Stephan, Z.F., and Hayes, K.C., Species Variation in the Atherogenic Profile of Monkeys: Relationship Between Dietary Fats, Lipoproteins, and Platelet Aggregation, 213
see Hayes, K.C.
PUSTYNNIKOV, M.G., Porodenko, N.V., Makarova, O.V., Kozyukov, A.V., Moskaleva, E.Yu., Sokolvsky, A.A., and Severin, E.S., Platelet-Activating Factor Stimulates Receptor-Mediated Formation of Reactive Oxygen Intermediates in Human Monocytes, 1214

Q

QUINTANS, C., *see* de Bravo, M.G.

R

RABINOVICI, R., Yue, T.-L., and Feuerstein, G., Platelet-Activating Factor in Cardiovascular Stress Situations, 1257
RAEDERSTORFF, D., Meier, C.A., Moser, U., and Walter, P., Hypothyroidism and Thyroxin Substitution Affect the n-3 Fatty Acid Composition of Rat Liver Mitochondria, 781
RAJOTTE, R.V., *see* Venkatraman, J.T.
RAKOFF, H., Preparation of Methyl 11,14,17-Eicosatrienoate-8,8,9,9-d_4 and Methyl 8,11,14,17-Eicosatetraenoate-8,9-d_2, 301
RAMÍREZ, H., *see* Rodriguez-Vico, F.
RAO, P.S., *see* Padmini, S.
RATLEDGE, C., *see* Holdsworth, J.E.
RAYNARD, R.S., *see* Bell, J.G.
RAYNOR, R.L., *see* Shoji, M.
see Vogler, W.R.

AUTHOR INDEX

RAYSSIGUIER, Y., Noé, L., Etienne, J., Gueux, E., Cardot, P., and Mazur, A., Effect of Magnesium Deficiency on Post-Heparin Lipase Activity and Tissue Lipoprotein Lipase in the Rat, 182
READI, G.B., *see* Martin, L.J.
REDDEN, P., *see* Wainwright, P.E.
REDEUILH, C., *see* Lamotte-Brasseur, J.
REDMOND, J.W., *see* Smal, M.A.
RENCRICCA, N.J., *see* Hojnacki, J.L.
REPIN, V.S., *see* Kosykh, V.A.
RIBES, G., *see* Sauvaire, Y.
RICHARD, Y., *see* Leprince, C.
RIPA, P.V., *see* Grebenok, R.J.
RODRIGUEZ, J., *see* Carballeira, N.M.
RODRIGUEZ, M.A., *see* Yasruel, Z.
RODRÍGUEZ-VICO, F., Martínez-Cayuela, M., Flor Zafra, M., Garcia-Peregrin, E., and Ramirez, H., A Procedure for the Simultaneous Determination of Lipid and Protein in Biomembranes and Other Biological Samples, 77
ROOS, P.J., *see* Blankenship, J.W.
ROSE, J.K., *see* Ruis, N.M.
ROSENBLOOM, M., *see* Yasruel, Z.
ROSSI, A.G., and O'Flaherty, J.T., Bioactions of 5-Hydroxyicosatetraenoate and Its Interaction with Platelet-Activating Factor, 1184
ROSTAQUI, N., *see* Guettet, C.
ROUSSELOT-PAILLET, D., *see* Hermier, D.
RUIS, N.M., Rose, J.K., and Valone, F.H., Tumor Necrosis Factor Release by Human Monocytes Stimulated with Platelet-Activating Factor, 1060
RUSSELL, K.A., *see* Harrington, A.J.

S

SAADOUN, A., *see* Hermier, D.
SADA, T., *see* Miyamoto, M.
SAEKI, S., *see* Sakaguchi, K.
SAGACH, V.F., Dmitrieva, A.V., and Braquet, P., Pooling of Blood in Postischemic Shock Is Modulated by Platelet-Activating Factor (PAF), 1400
SAITO, K., *see* Horii, T.
see Sugatani, J.
SAITO, M., *see* Yamada, T.
SAITO, T., *see* Wolf, A.
SAKAGUCHI, K., Morimoto, S., Masugi, F., Saeki, S., Ogihara, T., Yamada, K., and Yamatsu, I., Studies on the Role of Platelet-Activating Factor in Blood Pressure Regulation, 1264
SAKAKURA, M., *see* Ikeda, I.
SALICHON, M.-R., *see* Hermier, D.
SALMON, A., *see* Wiedmann, T.S.
SALT, T.A., Xu, S., Patterson, G.W., and Adler, J.H., Diversity of Sterol Biosynthetic Capacity in the Caryophyllidae, 604
SAMPLES, B., *see* Pool, G.L.
SÁNCHEZ-YAGÜE, J., Cabezas, J.A., and Llanillo, M., Fatty Acid Composition of Subcellular Particles from Sheep Platelets and Topological Distribution of Phosphatidylethanolamine Fatty Acids in the Plasma Membrane, 878
SANCHOLLE, M., *see* Weete, J.D.
SANDBERG, L.B., *see* Blankenship, J.W.
SANTOS, O.F.P., Boim, M.A., Barros, E.J.G., Pirotzky, E., Braquet, P., and Schor, N., Effect of Platelet-Activating Factor Antagonist BN 52063 on the Nephrotoxicity of Cisplatin, 1324
SARGENT, J.R., *see* Bell, J.G.
see Mourente, G.
SASAKI, M., Maeyama, K., and Watanabe, T., Intracellular Ca^{2+} Concentration and H_2O_2 Production in Mouse Peritoneal Macrophages Are Stimulated by Platelet-Activating Factor, 1209
SATOH, N., *see* Karasawa, K.
SATOUCHI, K., *see* Horii, T.
see Sugatani, J.
SAUNIÈRE, J.F., *see* Dupuy, P.
SAUVAIRE, Y., Ribes, G., Baccou, J.-C., and Loubatières-Mariani, M.-M., Implication of Steroid Saponins and Sapogenins in the Hypocholesterolemic Effect of Fenugreek, 191
SCANU, A.M., *see* Makino, K.
SCHÄFER, L., and Kragballe, K., Supplementation with Evening Primrose Oil in Atopic Dermatitis: Effect on Fatty Acids in Neutrophils and Epidermis, 557
SCHANBACHER, F.L., *see* Palmquist, D.L.
SCHARFFENBERG, J.A., *see* Blankenship, J.W.
SCHAUP, H.W., *see* McKim, Jr., J.M.
SCHIERENBERG, M., *see* Heuer, H.O.
SCHINDLER, P.W., and Ninio, E., Kinetic Studies of Human and Rat Neutrophil LysoPAF Acetyltransferase Using LysoPAF and DansyllysoPAF as Substrates, 1004
SCHLASNER, L.A., *see* Gebhard, R.L.
SCHMIDT, P.C., *see* Lindgren, F.T.
see Nelson, G.J.
SCHOR, N., *see* dos Santos, O.F.P.
see Santos, O.F.P.
SCUDDER, M., *see* Suarna, C.
SELIVONCHICK, D.P., *see* McKim, Jr., J.M.
SELLIER, N., *see* Hermier, D.
SELLNER, P.A., and Phillips, A.R., Phospholipid Synthesis by Chick Retinal Microsomes: Fatty Acid Preference and Effect of Fatty Acid Binding Protein, 62
SERRES, C., *see* De Tomás, M.E.
SERVOUSE, M., *see* Chambon, C.
SETAKA, M., *see* Karasawa, K.
SEVERIN, E.S., *see* Pustynnikov, M.G.
SHAND, J.H., and West, D.W., Acyl-CoA:Cholesterol Acyltransferase Activity in the Rat Mammary Gland: Variation During Pregnancy, 150
see West, D.W.
SHANTHA, N.C., and Ackman, R.G., Fish Oil Tetracosenoic Acid Isomers and GLC Analyses of Polyunsaturated Fatty Acids, 237
SHEN, T.Y., Chemical and Biochemical Characterization of Lignan Analogs as Novel PAF Receptor Antagonists, 1154
SHERBAKOVA, I., *see* Gerasimova, E.
SHETTY, S., and Hegde, S.N., Changes in Lipids of Pigeon "Milk" in the First Week of Its Secretion, 930
SHIBAHARA, A., *see* Yamamoto, K.
SHIBAMOTO, T., *see* Tamura, H.
SHIGA, J., *see* Nogami, M.
SHIMA, I., *see* Shimazaki, N.
SHIMADA, T., *see* Aikawa, T.
SHIMAZAKI, N., Shima, I., Okamoto, M., Yoshida, K., Hemmi, K., and Hashimoto, M., PAF Inhibitory Activity of Diketopiperazines: Structure-Activity Relationships, 1175
SHIMIZU, S., Akimoto, K., Shinmen, Y., Kawashima, H., Sugano, M., and Yamada, H., Sesamin Is a Potent and Specific Inhibitor of Δ5 Desaturase in Polyunsaturated Fatty Acid Biosynthesis, 512
see Ikeda, I.
SHINDOU, J., *see* Hasegawa, Y.
SHINMEN, Y., *see* Ikeda, I.
see Shimizu, S.
SHIRAKI, M., *see* Urano, S.
SHOJI, M., Raynor, R.L., Fleer, E.A.M., Eibl, H., Vogler, W.R., and Kuo, J.F., Effects of Hexadecylphosphocholine on Protein Kinase C and TPA-Induced Differentiation of HL60 Cells, 145
see Vogler, W.R.
SHORE, V.G., *see* Lindgren, F.T.
SHUKLA, S.D., Inositol Phospholipid Turnover in PAF Transmembrane Signalling, 1028
SHUKLA, V.K.S., and Perkins, E.G., The Presence of Oxidative Polymeric Materials in Encapsulated Fish Oil, 23
SIEGEL, M.I., *see* Billah, M.M.
SILVA, C.S., *see* Touqui, L.
SINGER, T.D., *see* Harrington, A.J.
SINGH, B., *see* Venkatraman, J.T.
SISSON, P., *see* Wilcox, R.W.
SMAL, M.A., Baldo, B.A., and Redmond, J.W., Synthesis of a PAF Immunogen and Production of PAF-Specific Antibodies, 1130
and Baldo, B.A., Inhibitor(s) of Platelet-Activating Factor (PAF) in Human Saliva, 1144
see Baldo, B.A.
see Cooney, S.J.

SMIRNOV, V.N., *see* Kosykh, V.A.
SMITH, Z.L., *see* Blank, M.L.
SNIDERMAN, A.D., *see* Yasruel, Z.
SNYDER, F., *see* Kates, M.
see Blank, M.L.
SNYDER, W.R., *see* Young, P.R.
SÖDERBERG, M., Edlund, C., Kristensson, K., and Dallner, G., Fatty Acid Composition of Brain Phospholipids in Aging and in Alzheimer's Disease, 421
SOKOLVSKY, A.A., *see* Pustynnikov, M.G.
SOLOVIEV, A.I., and Braquet, P., Platelet-Activating Factor (PAF) Induces Contraction of Saponin-Skinned Smooth Muscle of Coronary Artery, 1274
SONNET, P.E., and Baillargeon, M.W., Methyl-Branched Octanoic Acids as Substrates for Lipase-Catalyzed Reactions, 295
SONOBE, M., *see* Mimura, K.
SOUTHWELL-KEELY, P.T., *see* Suarna, C.
SQUINTO, S.P., *see* Bazan, N.G.
STAFFORINI, D.M., Prescott, S.M., Zimmerman, G.A., and McIntyre, T.M., Platelet-Activating Factor Acetylhydrolase Activity in Human Tissues and Blood Cells, 979
STÅHLBERG, D., Angelin, B., and Einarsson, K., Age-Related Changes in the Metabolism of Cholesterol in Rat Liver Microsomes, 349
STAMATOV, S.D., and Gronowitz, S., Diacetone-D-glucosyl-3-*O*-(*N,N*-diethylamido)-thiophosphates of the Lipid-Soluble Vitamins D_2, D_3 and E, 574
STAMBOULY, J.J., *see* Goldstein, R.E.
STEPHAN, Z.F., *see* Pronczuk, A.
STEVENSON, N.R., *see* Amorosa, L.F.
STEWART, A.G., and Harris, T., Platelet-Activating Factor May Participate in Signal Transduction Processes in Rabbit Leukocytes, 1044
STILLWELL, W., *see* Jenski, L.J.
STURDEVANT, L.K., *see* Jenski, L.J.
STURK, A., *see* van den Bosch, H.
SUARNA, C., Baca, M., Craig, D.C., Scudder, M., and Southwell-Keely, P.T., Further Oxidation Products of 2,2,5,7,8-Pentamethyl-6-chromanol, 847
and Southwell-Keely, P.T., Antioxidant Activity of Oxidation Products of α-Tocopherol and of Its Model Compound 2,2,5,7,8-Pentamethyl-6-chromanol, 187
SUEMATSU, M., and Tsuchiya, M., Platelet-Activating Factor and Granulocyte-Mediated Oxidative Stress. Strategy for *in vivo* Oxyradical Visualization, 1362
SUGANO, M., *see* Ikeda, I.
see Shimizu, S.
SUGASAWA, T., Imanishi, N., and Morooka, S., Effect of the Selective PAF Antagonist SM-10661 on an Asthmatic Model. 2. Effects on Antigen-Induced Dual Asthmatic Response and Infiltration of Leukocytes into Airways in Actively Sensitized Conscious Guinea Pigs, 1305
see Uchida, M.
SUGATANI, J., Fujimura, K., Miwa, M., Satouchi, K., and Saito, K., Molecular Heterogeneity of Platelet-Activating Factor (PAF) in Rat Glandular Stomach Determined by Gas Chromatography/Mass Spectrometry. PAF Molecular Species Changes upon Water-Immersion Stress, 1347
SUGIURA, T., Fukuda, T., Cheng, N-n., and Waku, K., Transient Activation of 1-*O*-Alkyl-*sn*-glycero-3-phosphocholine:Acetyl-CoA Acetyltransferase during the Incubation of Macrophages, 861
Ojima-Uchiyama, A., Masuzawa, Y., Fujita, M., Nakagawa, Y., and Waku, K., Regulation of the Biosynthesis of Platelet-Activating Factor in Alveolar Macrophages, 974
see Ojima-Uchiyama, A.
SULCINER, D., *see* Tblins, J.P.
SUN, X-M., *see* Caplan, M.S.
SUNEJA, S.K., Mahmoud, N.N., Cook, L., Osei, P., and Cinti, D.L., Do Rat Kidney Cortex Microsomes Possess the Enzymatic Machinery to Desaturate and Chain Elongate Fatty Acyl-CoA Derivatives?, 359
SUZUKI, M., *see* Mikami, T.
SUZUKI, S., *see* Mikami, T.
SVOBODA, J.A., and Feldlaufer, M.F., Neutral Sterol Metabolism in Insects, 614
SYED-RAHMATULLAH, M.S.K., *see* Lie Ken Jie, M.S.F.

T

TABUCHI, M., *see* Nogami, M.
TAKAGI, T., and Ando, Y., Stereospecific Analysis of Triacyl-*sn*-glycerols by Chiral High-Performance Liquid Chromatography, 542
TAKAHASHI, S., Yoshikawa, T., Naito, Y., Tanigawa, T., Yoshida, N., and Kondo, M., Role of Platelet-Activating Factor (PAF) in Superoxide Production by Human Polymorphonuclear Leukocytes, 1227
TAKASE, H., *see* Uchida, K.
TAMURA, H., and Shibamoto, T., Gas Chromatographic Analysis of Malonaldehyde and 4-Hydroxy-2-(E)-nonenal Produced from Arachidonic Acid and Linoleic Acid in a Lipid Peroxidation Model System, 170
TAMURA, T., *see* Akihisa, T.
TANAKA, C., *see* Ichihara, K.
TANIGAWA, T., *see* Takahashi, S.
TAPPEL, A.L., *see* Frankel, E.N.
TAYLOR, P.R., *see* Ferretti, A.
TEBBI, C.K., *see* Hong, C.I.
TEN CATE, J.W., *see* van den Bosch, H.
TERAO, J., *see* Nagao, A.
TERAO, M., *see* Tokumura, A.
THOMAS, L.M., and Holub, B.J., BW755C or Staurosporine Inhibits Collagen-Stimulated Phosphoinositide Phosphorylation in Platelets, 689
THOMAS, Y., *see* Denizot, Y.
see Leprince, C.
THOMPSON, P.J., Misso, N.L.A., Passarelli, M., and Phillips, M.J., The Effect of Eicosapentaenoic Acid Consumption on Human Neutrophil Chemiluminescence, 1223
THOMSON, A.B.R., *see* Turini, M.E.
see Turini, M.E.
see Venkatraman, J.T.
THUREN, T., *see* Wilcox, R.W.
TIWARI, R.K., *see* Venkatraman, J.T.
TOCHER, D.R., *see* Mourente, G.
see Wilson, R.
TOCHIGI, N., *see* Urano, S.
TOKUMURA, A., Yube, N., Terao, M., and Tsukatani, H., Antagonism of Platelet-Activating Factor in Isolated Rat Colon: Possible Mechanism, 1344
TOLEDO, J., *see* de Bravo, M.G.
TOLINS, J.P., Melemed, A., Sulciner, D., Gustafson, K.S., and Vercellotti, G.M., Calcium Channel Blockade Inhibits Platelet-Activating Factor Production by Human Umbilical Vein Endothelial Cells, 1218
TOLLBOM, Ö., *see* Jakobsson-Borin, Å.
TOMARI, Y., *see* Ikeda, I.
TOMIOKA, K., *see* Yamada, T.
TOU, J-S., and Healey, S., Leukotriene B_4 Promotes Phospholipid Acylation in Human Neutrophils, 327
TOUQUI, L., Silva, C.S., and Vargaftig, B.B., The Metabolism of 1-Acyl-PAF in Rabbit Platelets and Its Possible Interaction with PAF, 992
TRAKHT, I.N., *see* Kosykh, V.A.
TREESE, N., *see* Heuer, H.O.
TRETON, D., *see* Leprince, C.
TRIGGIANI, M., *see* Chilton, F.H.
TROSKO, J.E., *see* Hasler, C.M.
TSUBURA, K., *see* Nogami, M.
TSUCHIYA, M., *see* Suematsu, M.
TSUJI, Y., *see* Aikawa, T.
TSUJIMOTO, Y., *see* Aikawa, T.
TSUKATANI, H., *see* Tokumura, A.
TURINI, M.E., Thomson, A.B.R., and Clandinin, M.T., Lipid Composition and Peroxide Levels of Mucosal Cells in the Rat Large Intestine in Relation to Dietary Fat, 431
TURNER, M.R., *see* Pool, G.L.

AUTHOR INDEX

U

UCHIDA, K., Akiyoshi, T., Igimi, H., Takase, H., Nomura, Y., and Ishihara, S., Differential Effects of Ursodeoxycholic Acid and Ursocholic Acid on the Formation of Biliary Cholesterol Crystals in Mice, 526

UCHIDA, M., Imanishi, N., Sugasawa, T., and Morooka, S., Effect of the Selective PAF Antagonist SM-10661 on an Asthmatic Model. 1. Effect on Passive Anaphylactic Bronchoconstriction in Guinea Pigs, 1301

UCHIYAMA, S., Yamazaki, M., and Maruyama, S., Role of Platelet-Activating Factor in Aggregation of Leukocytes and Platelets in Cerebral Ischemia, 1247

UDA, H., *see* Kudo, I.

ULBRIGHT, C.E., *see* Ashman, W.H.

ULMANN, L., Blond, J.P., Maniongui, C., Poisson, J.P., Durand, G., Bézard, J., and Pascal, G., Effects of Age and Dietary Essential Fatty Acids on Desaturase Activities and on Fatty Acid Composition of Liver Microsomal Phospholipids of Adult Rats, 127

UNGER, C., and Eibl, H., Hexadecylphosphocholine: Preclinical and the First Clinical Results of a New Antitumor Drug, 1412

URANO, S., Hoshi-Hashizume, M., Tochigi, N., Matsuo, M., Shiraki, M., and Ito, H., Vitamin E and the Susceptibility of Erythrocytes and Reconstituted Liposomes to Oxidative Stress in Aged Diabetics, 58

V

VALONE, F.H., *see* Barthelson, R.A.

see Ruis, N.M.

VAN DEN BOSCH, H., Sturk, A., ten Cate, J.W., and Aarsman, A.J., Studies on the Selectivity of Enzymes Involved in Platelet-Activating Factor Formation in Stimulated Cells, 967

VANDEN HEUVEL, J.P., *see* Davis, II, J.W.

VAN DEN REEK, M., *see* Weete, J.D.

VAN GENT, C.M., *see* Blankenship, J.W.

VAN ZUTPHEN, L.F.M., *see* Meijer, G.W.

VARGAFTIG, B.B., *see* Touqui, L.

see Amorim, C.Z.

VASKOVSKY, V.E., Khotimchenko, S.V., and Benson A.A., Identification of Diacylglycero-4′-*O*-(*N,N,N*-trimethyl)homoserine in Mushrooms, 254

VENKATRAMAN, J.T., Pehowich, D., Singh, B., Rajotte, R.V., Thomson, A.B.R., and Clandinin, M.T., Effect of Dietary Fat on Diabetes- Induced Changes in Liver Microsomal Fatty Acid Composition and Glucose-6-Phosphatase Activity in Rats, 441

Tiwari, R.K., Cinader, B., Flory, J., Wierzbicki, T., and Clandinin, M.T., Influence of Genotype on Diet-Induced Changes in Membrane Phosphatidylcholine and Phosphatidylethanolamine Composition of Splenocytes, Liver Nuclear Envelope and Liver Mitochondria, 198

VERCELLOTTI, G.M., *see* Tolins, J.P.

VÉRICEL, E., *see* Calzada, C.

VERMEULEN, D., *see* De Schrijver, R.

see De Schrijver, R.

VERSLUIS, A., *see* Meijer, G.W.

VICK, B.A., A Spectrophotometric Assay for Hydroperoxide Lyase, 315

VICTOROV, A.V., *see* Kosykh, V.A.

VILLANI, F.J., *see* Billah, M.M.

VIS, H.L., *see* Dupuy, P.

VIVIER, E., *see* Leprince, C.

VLADESCU, B., *see* Chambon, C.

VLAHCEVIC, Z.R., *see* Grogan, W.M.

VOGLER, W.R., Olson, A.C., Okamoto, S., Shoji, M., Raynor, R.L., Kuo, J.F., Berdel, W.E., Eibl, H., Hajdu, J., and Nomura, H., Comparison of Selective Cytotoxicity of Alkyl Lysophospholipids, 1418

see Shoji, M.

W

WAHLE, K.W.J., Milne, L., and McIntosh, G., Regulation of Polyunsaturated Fatty Acid Metabolism in Tissue Phospholipids of Obese (fa/fa) and Lean (fa/-) Zucker Rats. 1. Effect of Dietary Lipids on Cardiac Tissue, 16

see Hare, W.R.

WAINWRIGHT, P.E., Huang, Y.S., Bulman-Fleming, B., Mills, D.E., Redden, P., and McCutcheon, D., The Role of n-3 Essential Fatty Acids in Brain and Behavioral Development: A Cross-Fostering Study in the Mouse, 37

WAITE, M., *see* Wilcox, R.W.

WAKU, K., *see* Ojima-Uchiyama, A.

see Sugiura, T.

WALSH, M., *see* Yasruel, Z.

WALTER, P., *see* Raederstorff, D.

WATANABE, S., and Okuyama, H., Effect of Dietary α-Linolenate/Linoleate Balance on Endotoxin-Induced Hepatitis in Mice, 467

see Ikeda, I.

see Sasaki, M.

WEBER, N., *see* Mangold, H.K.

WEBER, T., *see* Bach, T.J.

WEETE, J.D., Sancholle, M., Patterson, K.A., Miller, K.S., Huang, M.Q., Campbell, F., and Van den Reek, M., Fatty Acid Metabolism in *Taphrina deformans* Treated with Sterol Biosynthesis Inhibitors, 669

WEG, V.B., *see* Amorim, C.Z.

WELLS, X., *see* O'Neill, C.

WEST, C.R., *see* Hong, C.I.

WEST, D.W., and Shand, J.H., Cholesterol Ester Hydrolase Activity in Mammary Tissue of the Lactating Rat, 31

see Shand, J.H.

WETTSTEIN, A., *see* Bach, T.J.

WHELAN, J., Broughton, K.S., and Kinsella, J.E., The Comparative Effects of Dietary α-Linolenic Acid and Fish Oil on 4- and 5-Series Leukotriene Formation *in Vivo*, 119

WIEDMANN, T.S., and Salmon, A., Thermotropic Phase Properties of the Hydroxyceramide/Cholesterol System, 364

WIERZBICKI, T., *see* Venkatraman, J.T.

WIKFORS, G.H., *see* Gladu, P.K.

WILCOX, H.G., *see* Zhang, Z.J.

WILCOX, R.W., Thuren, T., Sisson, P., Kucera, G.L., and Waite, M., Hydrolysis of Neutral Lipid Substrates by Rat Hepatic Lipase, 283

WILLIAMS, E.E., *see* Hazel, J.R.

WILSON, R., and Tocher, D.R., Lipid and Fatty Acid Composition Is Altered in Plaque Tissue from Multiple Sclerosis Brain Compared with Normal Brain White Matter, 9

WOLF, A., Saito, T., Dudek, R., and Bing, R.J., The Effect of Lysophosphatidylcholine on Coronary and Renal Circulation in the Rabbit, 223

WOLF, C., *see* Chevy, F.

WOLFF, S.P., *see* Jiang, Z-Y.

WONG, J.K., *see* Billah, M.M.

WONG, K.-P., *see* Lie Ken Jie, M.S.F.

WONG, R.Y., *see* Nes, W.D.

WOOLLARD, A.C.S., *see* Jiang, Z.-Y.

WOOTEN, J.T., *see* Baltzell, J.K.

WU, M.S., *see* Doebber, T.W.

X

XU, S., *see* Salt, T.A.

Y

YAMADA, H., *see* Ikeda, I.

see Shimizu, S.

YAMADA, K., *see* Sakaguchi, K.

AUTHOR INDEX

YAMADA, T., Saito, M., Mase, T., Hara, H., Nagaoka, H., Murase, K., and Tomioka, K., Pharmacological Properties of YM461, a New Orally Active Platelet-Activating Factor Antagonist, 1179
YAMAMOTO, K., Shibahara, A., Nakayama, T., and Kajimoto, G., Double- Bond Localization in Heneicosapentaenoic Acid by a Gas Chromatography/Mass Spectrometry (GC/MS) Method, 948
YAMAMOTO, T., *see* Nogami, M.
YAMATSU, I., *see* Sakaguchi, K.
YAMAZAKI, M., *see* Uchiyama, S.
YANG, H., *see* Lai, H.-C.
YANG, L.-Y., Kuksis, A., and Myher, J.J., Similarities in Surface Lipids of Chylomicrons from Glyceryl and Alkyl Ester Feeding: Major Components, 806
YANOSHITA, R., *see* Kudo, I.
YASRUEL, Z., Cianflone, K., Sniderman, A.D., Rosenbloom, M., Walsh, M., and Rodriguez, M.A., Effect of Acylation Stimulating Protein on the Triacylglycerol Synthetic Pathway of Human Adipose Tissue, 495
YASUNAGA, K., *see* Ikeda, I.
YOSHIDA, K., *see* Shimazaki, N.
YOSHIDA, N., *see* Takahashi, S.
YOSHIKAWA, T., *see* Takahashi, S.
YOUNG, P.R., Snyder, W.R., and McMahon, R.F., Inhibition of the *Clostridium perfringens* Phospholipase C Hydrolysis of a Thiophosphate Analog of Lysophosphatidylcholine by Micelle-Bound Ammonium and Sulfonium Cations, 957
YUBE, N., *see* Tokumura, A.
YUE, T.L., *see* Rabinovici, R.
YUKAWA, S., *see* Mimura, K.
YUKI, H., *see* Hasegawa, Y.

Z

ZHANG, Z.J., Wilcox, H.G., Elam, M.B., Castellani, L.W., and Heimberg, M., Metabolism of n-3 Polyunsaturated Fatty Acids by the Isolated Perfused Rat Liver, 504
ZIMMERMAN, G.A., *see* Stafforini, D.M.
ZIRROLLI, J.A., Clay, K.L., and Murphy, R.C., Tandem Mass Spectrometry of Negative Ions from Choline Phospholipid Molecular Species Related to Platelet-Activating Factor, 1112

Subject Index

A

ACAT, *see* acyl coenzyme A:cholesterol acyltransferase
ACETHER, *see* platelet-activating factor
ACETYL COENZYME A CARBOXYLASE
  inhibition by 2,3,7,8-tetrachlorodibenzo-*p*-dioxin, 521
ACYCLIC TRIAMIDES
  of phosphorous acid, and lipid phosphorylation, 574
ACYLATION STIMULATING PROTEIN
  effect on triglycerides, in adipose tissue, 495
ACYL COENZYME A:CHOLESTEROL ACYLTRANSFERASE
  activity in intestinal cells, 1
  activity in liver, 907
  activity in mammary gland, 150
  inhibition by PD128042, 1
ADENOSINE TRIPHOSPHATE
  and phosphatidylethanolamine hydrolysis, 777
AFFINITY CHROMATOGRAPHY OF
  frozen plasma lipoproteins, 723
AGING EFFECTS ON
  brain phospholipids, 421
  cholesterol metabolism, 349
  lymphocyte lipids, 472
ALKYLACYLGLYCEROL DIETARY SUPPLEMENT
  incorporation into tissue lipids, 166
ALKYL GLYCEROL ETHER(S)
  analysis by HPLC, 769
  differentiation of leukemic cells, 1445
  production by plant cultured cells, 1086
1-*O*-ALKYL-*sn*-GLYCERO-3-PHOSPHOCHOLINE:ACETYL COENZYME A ACETYLTRANSFERASE
  activation in macrophages, 861
  involvement in PAF biosynthesis, 967
  kinetic studies, 1004
ALKYL LYSOPHOSPHOLIPIDS
  cytotoxicity, 1418
  effect on protein kinase, 1418
  involvement in PAF biosynthesis, 967
ALP, *see* alkyl lysophospholipids
ALZHEIMER'S DISEASE
  effect on brain phospholipids, 421
AMINO ACIDS
  of aortic tissue, effect of dietary oxysterols, 381
  reaction with lipid hydroperoxides, 922
ANTIOXIDANT ACTIVITY OF
  tocopherols, 187
ANTITUMOR ACTIVITY OF
  1-β-D-arabinofuranosylcytosine conjugates, 1437
  cisplatin, and PAF antagonist, 1324
  hexadecylphosphocholine, 1412
  PAF sulfonium analogs, 1095
  PAF thioether analogs, 1431
  tumor necrosis factor, 1060, 1071
APOLIPOPROTEIN A-I
  effect of estrogen on, 819
  secretion by mucosal cells, 684
APOLIPOPROTEINS
  effect of dietary n-3 fatty acids on, 97
ARACHIDONIC ACID
  effect on lipid secretion, in liver, 27
  in eicosapentaenoic acid biosynthesis, 162
  interaction with PAF, 1021
  peroxidation, 170
  release by platelets, 1080
ATHEROGENESIS
  dietary fat induced, 213
AUTOXIDATION OF
  fish oil, analysis by HPLC, 227

B

BILE ACID(S)
  cholesterol, effect on gallstones, 526
  composition, effect of dietary chitosan, 395
  production, dietary effects on, 907
  production in hepatocytes, effect of VLDL on, 799
  secretion, effect of polyoxyethylated cholesterol, 209
  separation by HPLC, 578
BIOSYNTHESIS OF
  cholesterol, 349, 614, 857, 907
  ether lipids, 1086
  PAF, 861, 967, 974, 1021, 1034, 1054, 1086, 1200, 1218
  pentacyclic triterpenoids, 649
  prostaglandins, 500, 743, 895
  sterols, 81, 584, 598, 633, 637, 669
  triglycerides, 111
  vitamin E, in platelets, 696

C

CALCIUM
  channel blockade, and PAF synthesis, 1218
  intracellular, effect of PAF on, 1209, 1243
  soaps, solubilization by fatty acids, 250
CARDIOVASCULAR STRESS
  effect of PAF on, 992, 1250
CARNITINE PALMITOYLTRANSFERASE
  activity in liver mitochondria, 266
CHITOSAN
  dietary, effect on bile acids, 395
CHOLESTAN-3β,5α,6β-TRIOL
  dietary, effect on aorta tissue, 381
CHOLESTEROL
  absorption, and hypercholesterolemia, 340
  absorption, effect of fatty acids on, 369
  biliary, effect of gallstone solubilizers on. 526
  biosynthesis, 349, 614, 857, 907
  content in human HDL, and dietary PUFA, 261
  content in liver subcellular fractions, 915
  content in mammary gland microsomes, 150
  content in plasma membrane, 175
  content in serum, effect of dietary protein on, 759
  esterification in cultured cells, 1
  metabolism in cultured hepatocytes, 799
  oxidation, 139
  polyoxyethylated, effect on bile acids, 209
  secretion by intestinal cells, 1
  secretion by perfused liver, 27
  separation from neutral lipids by TLC, 405
  turnover in liver, 385
CHOLESTEROL GALLSTONE(S)
  and diet-induced hyperlipidemia, 729
  solubilizers, effect on bile acids, 526
CHOLESTEROL 7α-HYDROXYLASE
  activity in rat tissue, 907
CHOLESTERYL ESTER HYDROLASE
  activity in mammary tissue, 31, 901
  hepatic, dietary effects on, 907
  hepatic, purification of, 793
  modulation by protein kinase, 31
CHYLOMICRONS
  composition of, dietary effects, 806
  effect on hepatocyte cholesterol, 799
CORTICOSTERONE
  secretion, modulation by PAF, 1108
CORTISONE
  secretion, modulation by PAF, 1108
CYCLOOXYGENASE
  activity in platelets, 1080
CYCLOSPORIN
  role in nephrotoxicity, effect of PAF blocker on, 1320

D

DESATURASE
  activity in liver microsomes, 127

inhibition by sesamin, 512
DESMETHYLSTEROLS OF
Caryophyllales, 604
marine mollusks, 561
DEXAMETHASONE
effect on gastric mucosa, 1356
DIABETES
effect on liver fatty acids, 441
DIACETONE-D-GLUCOSYL-3-*O*-(*N,N*-DIETHYLAMIDO)-THIOPHOSPHATES
synthesis of, 574
DIACYLGLYCEROLS
identification by HPLC/MS, 951
DIACYLGLYCERO-4′-*O*-(*N,N,N*-TRIMETHYL)HOMOSERINE
occurrence in mushrooms, 254
DIAZOMETHANE
methylation of fatty acids by, 548
DIET
calorie restricted, effect on lipid composition, 472
cholesterol rich, effect on lipoproteins, 451
EFA deficient, and brain development, 203
effect on cardiac tissue lipids, 16
effect on hyperlipidemia, 729
effect on tissue phospholipids and fatty acids, 198
high fat, and atherogenesis, 213
high fat, effect on bile acids and cholesterol, 907
low protein, effect on phospholipids, 891
magnesium deficient, effect on lipases and lipoproteins, 182
zinc deficient, effect on erythrocyte lipids, 459
DIETARY FATTY ACID(S)
and brain lipids, 37, 53
and brain phospholipids, 203
docosahexaenoic, effect on neonate brain, 53
effect on chylomicrons, 806
effect on colostrum and milk, 711
effect on leukotriene formation, 119
effect on liver phospholipids, 127
effect on plasma lipids and platelets, 46, 87
effect on plasma membrane lipids, 175
effect on platelet aggregation, 87
effect on prostaglandin synthesis, 743
effect on tumor cells, 353
eicosapentaenoic, and inflammation, 1223
essential, and behavioral development, 37
essential, and lipid metabolism, 127, 736
essential, effect on lung carcinoma, 866
linoleic, effect on phospholipids and lipoxygenase, 445
α-linolenic, and leukotriene synthesis, 119
α-linolenic/linoleic, effect on hepatitis, 467
polyunsaturated, and HDL cholesterol, 261
role in hypertension, 46
DIETARY SUPPLEMENT(S)
chitosan, effect on bile acids, 395
cholestan-3β,5α,6β-triol, effect on aorta tissue, 381
coconut fat, and hypercholesterolemia, 340
ethanol, and plasma lipids, 884
ether lipids, effect on tissue lipids, 166
evening primrose oil, effect on dermatitis, 557
fat, effect on fatty acids, and diabetes, 441
fat, effect on lipid composition and peroxidation, 431
fat, effect on liver lipids, 915
fat, effect on milk fat globule membranes, 718
fat, effect on triglyceride secretion, 824
fish oil, and lipolysis, 400
fish oil, and lipoprotein lipase, 289
fish oil, and lipoxygenase, 445
fish oil, and prostaglandin synthesis, 500
fish oil, and tumor cell permeability, 353
meadowfoam oil, effect on liver lipids, 736
polyoxyethylated cholesterol, effect on bile acids, 209
protein, effect on liver fatty acids, 107
protein, effect on liver lipids, 759
salmon, effect on lipoproteins, 97
salmon, effect on platelet aggregation, 87
DIGALACTOSYLDIACYLGLYCEROL
aldehyde containing, from alga, 960
DIKETOPIPERAZINES
inhibition of platelet aggregation, 1175
DINITROGEN PENTOXIDE
reaction with 1-palmitoyl-2-oleoyl-*sn*-glycerophosphocholine, 306
DOCOSAHEXAENOIC ACID
accumulation in fish brain lipids, 871
dietary, effect on neonatal brain, 53
effect on lung carcinoma, 866
effect on triglyceride secretion by hepatocytes, 374
DOLICHOL
content in liver subcellular fractions, 915

E

ECDYSTEROIDS IN
insects, 614
spinach, 666
EFA, *see* essential fatty acids
EICOSAPENTAENOIC ACID
dietary, effect on inflammation, 1223
effect on lung carcinoma, 866
inhibition of endothelial cell growth, 271
synthesis from arachidonic acid, 162
EICOSATRIENOIC ACID
synthesis from oleic acid, 175
ENDOTHELIAL CELLS
inhibition by eicosapentaenoic acid, 271
injury by hydroperoxides, 345
ENDOTOXIN
synergistic action with PAF, in monocytes, 257
ERGOSTA-5(6),7(8),25(27)-TRIEN-3β-OL
identification in alga *Prototheca wickerhamii*, 247
ERGOSTA-6(7),8(14),25(27)-TRIEN-3β-OL
identification in alga *Prototheca wickerhamii*, 247
ESSENTIAL FATTY ACID(S)
deficiency, and membrane lipids, 175
dietary, 37, 127, 736, 866
ESTERASE
activity in human milk, 134
ESTROGEN
effect on HDL and apolipoprotein A-I, 819
effect on PAF acetylhydrolase activity, 1015
ETHANOL
dietary, effect on LDL and platelets, 884
ETHER LIPID(S)
antitumor activity of, 1437
dietary effects of, 166
production in plant cultured cells, 1086
ET-18-OCH_3, *see* 1-*O*-octadecyl-2-*O*-methyl-*rac*-glycero-3-phosphocholine

F

FARNESYL DIPHOSPHATE SYNTHETASE
defects in yeast mutant, 633
FATTY ACID(S)
and hypothyroidism, 781
as substrates for carnitine palmitoyltransferase, 266
biosynthesis of, 857
desaturation and chain elongation, 359
effect on cholesterol absorption, 369
effect on cholesterol metabolism, in liver, 385
effect on lipid secretion by perfused liver, 27
effect on triglyceride turnover, in liver, 385
incorporation into membrane phospholipids, 62
incorporation into platelet cytoskeleton, 485
inhibition of endothelial cells by, 271
metabolism in fungi, 669

methylation by diazomethane, 548
novel, isolation from marine sponges, 324
oxidation, in liver, 102
PUFA, *see* polyunsaturated fatty acids
solubilization of calcium soaps by, 250
n-3 FATTY ACID(S)
and hypothyroidism, in rat, 781
effect on gap junctions, 788
effect on lung carcinoma, 866
effect on prostaglandins and leukotrienes, 895
FATTY ACID BINDING PROTEIN
effect on phospholipid synthesis, in retinal microsomes, 62
FATTY ACID COMPOSITION OF
brain phospholipids, human, 421
colostrum and milk, 711
epidermis, dietary effects on, 557
erythrocytes, dietary effects on, 87
hepatic microsomes, 107, 127, 441
liver lipids, and steatosis, 331
milk fat globule membranes, 718
mitochondria, and hypothyroidism, 781
multiple sclerosis plaque lipids, 9
neutrophils, dietary effect on, 557
phospholipids in cod tissue, 565
phospholipids in gills and leukocytes, 445
phospholipids in intestinal cells, 175
phospholipids in liver, and dietary fish oil, 400
phospholipids in mucosal cell membrane, 431
phospholipids in retinal microsomes, 62
phospholipids in skeletal muscle, 743
phospholipids in tissues, and diet, 119
plasma lipids, 46, 400
platelets, dietary effects, 46, 87, 878
rainbow trout, effect of tricaine methanesulfonate, 774
rat tissues, 198
triglycerides in skeletal muscle, 743
FATTY ACYL COENZYME A
derivatives from kidney microsomes, 359
FATTY AMIDES
separation from neutral lipids by TLC, 405
FISH OIL
autoxidation, analysis of, 227
dietary, and lipolysis, 400
dietary, effect on leukotriene synthesis, 119
dietary, effect on lipoprotein lipase and insulin, 289
dietary, effect on prostaglandin E synthesis, 500
lipid analysis of, 23
PUFA composition, 237
FURANOID FATTY ESTERS
synthesis of, 837

G

GANGLIOSIDES OF
central nervous system, dietary effects on, 552
GAP JUNCTIONS
effect of n-3 fatty acids on, 788
GAS CHROMATOGRAPHY-MASS SPECTROMETRY OF
1,2-diacylglycerol *tert*-butyldimethylsilyl ethers, 940
heneicosapentaenoic acid, 948
PAF analogs, 1264, 1347
plasma lipids, 240
steroid saponins and sapogenins, 191
GAS-LIQUID CHROMATOGRAPHY OF
fish oil PUFA, 237
4-hydroxy-2-(E)-nonenal, 170
lipid peroxidation products, 479
malonaldehyde, 170
trihydroxyoctadecenoic acids, 407
GC/MS, *see* gas chromatography-mass spectrometry
GENE
ERG20, isolation from yeast, 633
of C-8 sterol isomerase, cloning, 628
GLUCAGON
effect on lipoproteins, 451
GLUCOSE-6-PHOSPHATASE
activity in liver microsomes, 441
GLUTATHIONE
effect on platelet lipoxygenase, 696
GLYCEROPHOSPHOLIPID(S)
analysis by GC/MS, 940
of cod tissues, 565
of fish brain, 871
of multiple sclerosis plaque, 9
GLYCOPHOSPHOLIPIDS
synthesis of, 574

H

HDL, *see* high density lipoproteins
HEME
involvement in sterol synthesis, 598
HENEICOSAPENTAENOIC ACID
analysis by GC/MS, 948
HEPATIC STEATOSIS
effect on liver lipids and lipoproteins, 331
HEPATITIS
effect of dietary α-linolenate/linoleate, 467
HEPATOCYTES
triacylglycerol secretion by, 374
HETE, *see* hydroxyeicosatetraenoic acid
HEXADECYLPHOSPHOCHOLINE
antitumor activity of, clinical results, 1412
inhibition of protein kinase C, 145
HIGH DENSITY LIPOPROTEINS
cholesterol contents, and dietary PUFA, 261
effect of diet on, 97
effect of estrogen on, 819
modulation by PAF acetylhydrolase, 1015
HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY
cholesteryl ester hydrolase purification by, 793
ion-pairing, of malondialdehyde, 232
of bile salt conjugates, 578
of enantiomeric alkyl glycerol ethers, 769
of enantiomeric diglycerides, 951
of fish oil autoxidation products, 227
of lipid hydroperoxides, 765
of plasma lipids, 240
of triacyl-*sn*-glycerol, 542
HISTAMINE ANTAGONIST
pharmacological properties of, 1172
HMG-CoA REDUCTASE, *see* 3-hydroxy-3-methylglutaryl coenzyme A reductase
HOPANOIDS
biosynthesis and function in plants, 649
HPLC, *see* high-performance liquid chromatography
HYDROPEROXIDES
analysis by HPLC, 765
assay for, 853
injury of endothelial cells by, 345
reaction with amino acids, 922
HYDROPEROXIDE LYASE
spectrophotometric assay for, 315
HYDROXYCERAMIDES
interaction with cholesterol, in bilayer, 364
5-HYDROXYEICOSATETRAENOIC ACID (5-HETE)
interaction with PAF, in neutrophils, 1184
12-HYDROXYEICOSATETRAENOIC ACID (12-HETE)
synthesis in platelets, 696
3-HYDROXY-3-METHYLGLUTARYL COENZYME A REDUCTASE
activity in plants, 637
activity in rat tissue, 907
inhibition, and mucosal cell growth, 492
4-HYDROXY-2-(E)-NONENAL

analysis by GLC, 170
HYPERCHOLESTEROLEMIA
diet-induced, in hamster, 729
induced by dietary coconut fat, 340
effect of steroid saponins and sapogenins on, 191
HYPOTHYROIDISM
effect on mitochondrial fatty acids, 781
HYPOXIA
induced injury, effect of PAF on, 1340

I

IATROSCAN TLC/FID
quantitation of phospholipids by, 74
IMMUNOASSAY
PAF specific, 1130
INSULIN
effect of dietary fish oil on, 289
ISCHEMIA
effect of PAF on, 1247
effect of PAF and antagonists on, 1400
mesenteric, role of PAF in, 1336
ISOARBORINOL
biosynthesis and function, 649

K

KETOGENESIS
in perfused liver, 27

L

LCAT, *see* lecithin:cholesterol acyltransferase
LECITHIN:CHOLESTEROL ACYLTRANSFERASE
activity and species specificity, 416
LEUKOTRIENES
activation of phospholipid acylation by, 327
synthesis of, dietary effects, 119, 895
LINOLEIC ACID
effect on cholesterol absorption, 369
hydroperoxide, injury of endothelial cells by, 345
metabolism in developing rat, 891
peroxidation, 170
α-LINOLENIC ACID
effect on leukotriene synthesis, 119
effect on hepatitis, 467
metabolism in developing rat, 891
LIPASE(S)
activity for methyl-branched octanoic acids, 295
bile salt dependent, in human, 134
effect of magnesium deficiency on, 182
hepatic, substrate specificity, 68, 283
lipoprotein, dietary effects on, 289
lipoprotein, effect on plasma insulin, 289
lipoprotein, substrate specificity, 68
purification from *Geotrichum candidum*, 831
LIPID PEROXIDATION
analysis by gas chromatography, 479
effect of dietary fat on, 431
in erythrocytes, effect of vitamin E on, 58
model system for, 170
products, analysis by TLC/densitometry, 155
LIPID SECRETION
by perfused liver, effect of fatty acids on, 27
LIPIDS OF
brain, and multiple sclerosis, 9
erythrocyte membranes, and zinc deficiency, 459
fish brain during development, 871
fish oil capsules, 23
lymphoid cells, and calorie restriction, 472
mucosal cells, dietary effects, 431
myelin membranes, in undernourished pups, 83
pigeon "milk", 930
serum and liver, effect of dietary protein on, 759
LIPOPROTEIN LIPASE
effect of PAF on, 1102
effect of magnesium deficiency on, 182
substrate specificity, 68
LIPOPROTEIN(S)
and hepatic steatosis, in geese, 331
as source of ACAT, species specificity, 416
distribution of, effect of diet on, 97
effect of atherogenesis on, 213
effect of glucagon on, 451
effect of magnesium deficiency on, 182
effect on bile acids, 799
of frozen plasma, separation by affinity chromatography, 723
of nonhuman primates, 679
secretion by intestinal cells, 684
LIPOSOMES
multilamellar, diagnostic application of, 139
multilamellar, for thermal adaptation study, 277
reconstituted, glucose leakage, 58
LIPOXYGENASE ACTIVITY
in gill and leukocytes, 445
in platelets, 696, 1080
in red alga, 960
LOW DENSITY LIPOPROTEINS
effect of ethanol on, 884
LYSOPHOSPHATIDYLCHOLINE
analog, hydrolysis by phospholipase C, 957
analog, selective cytotoxicity of, 1418
effect on coronary circulation, 223
LYSO PLATELET-ACTIVATING FACTOR
acetyltransferase, activity in rat brain, 986
acetyltransferase, kinetic studies, 1004
acetyltransferase, stimulation by PAF, 997
acylation by fish splenocytes, 517
and respiratory disorders, 1292
content in serum, and allergic diseases, 1297
metabolism in platelets, 1011

M

MACROPHAGES
stimulation by PAF, 1209
MAGNESIUM DEFICIENCY
effect on lipoproteins and lipases, 182
MALONALDEHYDE
analysis by GLC, 170
analysis by HPLC, 232
MASS SPECTROMETRY OF
diacylglycerol enantiomers, 951
heneicosapentaenoic acid, 948
PAF analogs, 1112
plasma lipids, 240
MEMBRANE
fluidity and phospholipid composition, 277
lipids, dietary effects, 431
lipids, effect of zinc deficiency, 459
METHYL 8,11,14,17-EICOSATETRAENOATE
deuterated, synthesis of, 301
MEVALONATE
biosynthesis in plants, 637
MEVALONATE DIPHOSPHATE DECARBOXYLASE
defects in yeast mutant, 633
MOTIOL
biosynthesis and function, 649

MULTIPLE SCLEROSIS PLAQUE
brain lipids and fatty acid composition of, 9
MYELINOGENESIS
in developing rat brain, 83

N

NITROGEN DIOXIDE
reaction with 1-palmitoyl-2-oleoyl-*sn*-glycerophosphocholine, 306
NMR
of cholest-4-en-3-one, 675
(Z)-17-NONADECENOIC ACID
isolation from marine sponges, 324

O

1-*O*-OCTADECYL-2-*O*-METHYL-*rac*-GLYCERO-3-PHOSPHOCHOLINE
effect on protein kinase C, 1418
OCTANOIC ACIDS
as substrates for lipases, 295
OLEIC ACID
effect on lipid secretion in perfused liver, 27
OLESTRA
metabolism in rat, 754
OXIDATION OF
brain lipids, stimulation by nutritional stress, 83
fatty acids, 102
Fe^{2+} under acidic conditions, 853
2,2,5,7,8-pentamethyl-6-chromanol, 847
yeast peroxisomes, 111
OXIDATIVE STRESS OF
erythrocytes from diabetics, 58
microvascular system, effect of PAF, 1362
OXYSTEROLS
incorporation into aorta, 381

P

PAF, *see* platelet-activating factor
PAF-ACETHER, *see* platelet-activating factor
(Z)-17-PENTACOSENOIC ACID
isolation from sponges, 324
PENTACYCLIC TRITERPENOIDS
biosynthesis and function, 649
2,2,5,7,8-PENTAMETHYL-6-CHROMANOL
antioxidant activity of, 187
PERFLUORODECANOIC ACID
effect on cholesterol and fatty acid synthesis, 857
PEROXIDATION, *see* lipid peroxidation
PHORBOL ESTER
stimulation of PAF synthesis in leukocytes by, 1054
6-PHOSPHATIDYL-L-ASCORBIC ACID
synthesis by phospholipase D, 390
PHOSPHATIDYLCHOLINE
fatty acid composition of, dietary modification, 198
reaction with dinitrogen pentoxide and nitrogen dioxide, 306
PHOSPHATIDYLETHANOLAMINE
fatty acid composition of, dietary modification, 198
fatty acid composition of, in platelets, 878
hydrolysis by phospholipase D, 321
hydrolysis in fibroblasts, stimulation by ATP, 777
PHOSPHOCHOLINETRANSFERASE
activity in brain microsomes, 986
PHOSPHOINOSITIDE(S)
metabolism, stimulation by PAF, 1028, 1050
phosphorylation in platelets, 689
turnover and PAF receptor function, 1028
PHOSPHOLIPASE A_2
involvement in PAF production by leukocytes, 967
PHOSPHOLIPASE C
inhibition by ammonium and sulfonium cations, 957
stimulation by PAF analogs, 1028
stimulation by PAF, in Kupffer cells, 1038
PHOSPHOLIPASE D
and synthesis of alkyl phospholipids, 1400
and synthesis of 6-phosphatidyl-L-ascorbic acid, 390
hydrolysis of phosphatidylethanolamine by, 321
solubilization by Triton X-100, 426
PHOSPHOLIPID
acylation, activation by leukotriene B_4, 327
effect on progesterone 5α-reductase, 531
fatty acid methylation, 548
fatty acids, and gap junctions, 788
fatty acids, novel from sponge, 324
separation and quantitation by Iatroscan TLC/FID, 74
synthesis in microsomes, 62
PHOSPHOLIPID COMPOSITION OF
brain, during development, 203
brain, effect of multiple sclerosis on, 9
brain, in aging and Alzheimer's disease, 421
cardiac cells, dietary effects, 16
cod tissues, 565
gill and leukocytes from salmon, 445
liver microsomes, 127, 915
membranes, and thermal adaptation, in fish, 277
membranes, in mucosal cells, 175, 431
mushrooms, 254
rat tissues, effect of diet, 198, 915
skeletal muscle, 743
PLANT STEROL
metabolism by Nematodes, 619
PLASMA MEMBRANE
lipid composition, 175
PLATELET-ACTIVATING FACTOR
activation of G proteins by, 1038
activation of transcriptional signalling by, 1236
activity in plasma, and septicemia, 1381
biosynthesis, 861, 967, 974, 986, 1021, 1054, 1200
biosynthesis, stimulation in mice, 1404
cytotoxicity, 1095, 1404
effect on bone marrow cells, 1065
effect on cardiovascular stress, 1257
effect on cardiovascular system, 992, 1250, 1400
effect on cortisol and corticosterone secretion, 1108
effect on gastric mucosal injury, 1356
effect on leukocytes, 1247
effect on leukocyte superoxide production, 1227
effect on lipoprotein lipase, 1102
effect on macrophages, 1193, 1209
effect on mucosal surface, 1287
effect on neuronal cells, 1243
effect on platelets, 1247
effect on vascular system, 700, 1269, 1274, 1362
immunoregulatory functions, 1204
inhibitors of, in human saliva, 1144
interaction with arachidonic acid, 1021
interaction with 5-HETE, 1184
metabolism in eosinophils, 1200
metabolism in platelets, 1011
quantitation by chemiluminescence method, 1117
quantitation by radioimmunoassay, 1126, 1136, 1140
role in allergic diseases, 1297
role in asthma, 1179, 1277, 1292
role in bronchial hyperresponsiveness, 1280
role in hypertension, 1264
role in inflammation, 1093, 1283, 1310, 1408
role in ischemia, 1247, 1336, 1400
role in necrotizing enterocolitis, 1340
role in proteinuria, 1310
role in pyuria, 1333
role in transmembrane signalling, 1028, 1034, 1044

stimulation by IgA immune aggregates, 1231
stimulation of monocytes, 257, 1214
stimulation of inositol phospholipids, 1028
stimulation of lysoPAF acetyltransferase, 997
stimulation of reactive oxygen intermediate formation, 1214
stimulation of tumor necrosis factor, 1060, 1071
PLATELET-ACTIVATING FACTOR ACETYLHYDROLASE
activity in human tissues, 979
hormonal regulation in plasma, 1015
PLATELET-ACTIVATING FACTOR ANALOG(S)
analysis by GC/MS, 1347
analysis by tandem mass spectrometry, 1112
antitumor activity, 1431
metabolism in platelets, 992
sulfonium, synthesis and activity of, 1095
thioether, synthesis of, 1424
PLATELET-ACTIVATING FACTOR ANTAGONIST(S)
anti-PAF activity, 1050, 1157, 1404
blockade of PAF receptor by, 1400
effect on acute gastric erosions, 1354
effect on bone marrow cells, 1065
effect on hypotension, 1179
effect on intravascular coagulation, 1391
effect on neuronal cells, 1243
effect on platelet aggregation, 1189
effect on renal vascular escape, 1329
pharmacological properties of, 1172, 1179
possible mechanism of action, 1344
role in anaphylactic shock, 1386
role in anaphylaxis, 1374, 1396
role in asthmatic responses, 1179, 1305
role in bronchial hyperresponsiveness, 1179, 1277
role in cerebral ischemia, 1236
role in endotoxic shock, 1359
role in glomerulonephritis, 1316
role in nephrotoxicity, 1320, 1324
role in pleurisy, 1408
role in septic shock, 1369
thienotriazolodiazepines, activity of, 1157
PLATELET-ACTIVATING FACTOR ANTIBODIES
assay for, 1386
biosynthesis, 1130, 1386
PLATELET-ACTIVATING FACTOR BIOSYNTHESIS IN
alveolar macrophages, 974
endothelial cells, 1218
human, effect of smoking on, 1269
human leukocytes, 967
macrophages, 861
plant cultured cells, 1086
PLATELET-ACTIVATING FACTOR RECEPTOR
antagonist to, 1148, 1189
chemical and biochemical characterization, 1154
desensitization of, 1076
effect of PAF antagonists on, 1400
function, 1028
hypothetical structure, 1162, 1167
localization and specificity, 1148, 1274
PLATELET AGGREGATION
by PAF, role in ischemia, 1247
by PAF, inhibition by diketopiperazines, 1175
by PAF sulfonium analogs, 1095
effect of dietary fats on, 213
effect of dietary fatty acids on, 87
effect of PAF antagonists on, 1144
effect of PAF receptor antagonist on, 1189
effect on lipid metabolism, 485
inhibitors of, 1011
PLATELETS
cyclooxygenase activity of, 1080
lipid composition of, 884, 878
lipoxygenase activity of, 696, 1080
metabolism of 1-acyl-PAF in, 992
metabolism of phosphoinositides in, 689, 1050
PAF binding affinity to, 1076
POLYUNSATURATED FATTY ACID(S)
biosynthesis, inhibition by sesamin, 512
content in fish oil, 237
dietary, effect on HDL, 261
dietary, role in obesity, 16
effect on HDL cholesterol, 261
metabolism in perfused liver, 504
of membrane phospholipids, 62
of triglycerides, in pre-adipocytes, 705
role in cerebral ischemia, 1236
substrates for carnitine palmitoyltransferase, 266
PROGESTERONE 5*α*-REDUCTASE
stimulation by short-chain phospholipids, 531
PROSTAGLANDIN E
synthesis, and skeletal muscle function, 743
synthesis, dietary effects on, 500, 895
PROTEIN
deficiency, effect on gangliosides, in nervous system, 552
determination in small biological samples, 77
PROTEIN KINASE C
activation by phorbol ester, 1054
activity in rabbit platelets, 1076
inhibition by hexadecylphosphocholine, 145
inhibition by alkyl lysophospholipids, 992
PUFA, *see* polyunsaturated fatty acids

S

SESAMIN
inhibition of PUFA synthesis by, 512
STAUROSPORINE
inhibition of phosphoinositide phosphorylation by, 689
STEROIDS
role in hypocholesterolemia, 191
STEROL(S)
biosynthesis, inhibitors for, 584, 669
biosynthesis in oysters, 81
biosynthesis in plants, 637
biosynthesis in yeast, 598, 633
content in pine needles, 934
esterification in yeast, 598
isolation and identification, 247
isomerase gene, cloning, 628
metabolism in insects, 614
metabolism in Nematodes, 619
of alga *Pavlova gyrans*, 656
of Caryophyllales, 604
of *Kalanchoe pinnata*, 660
STERYL ESTERS
of cultured celery cells, 536
of pine needles, 934
SUCROSE OCTAOLEATE
metabolism in rat tissues, 750
SUPEROXIDES
of leukocytes, effect of PAF, 1227
of neutrophils, effect of PAF, 1231
SYNTHESIS OF
cholest-4-en-3-one, 675
cholesterol *in vivo*, effect of aging, 349
deuterated methyl 8,11,14,17-eicosatetraenoates, 301
diacetone-*d*-glucosyl-3-*O*-(*N*,*N*-diethylamido)thiophosphates, 574
dityrosine, 922
furanoid fatty esters, 837
PAF thioether analogs, 1424
PAF in macrophages, 861
PAF sulfonium analogs, 1095
6-phosphatidyl-L-ascorbic acid, 390
prostaglandin E *in vivo*, 500
1-pyrroline fatty ester derivatives, 842
triacylglycerol, in yeast, 111
thiophosphates, 574
trihydroxyoctadecenoic acids, 407

T

TEMPERATURE
effect on mitochondrial membrane function, 277
2,3,7,8-TETRACHLORODIBENZO-*p*-DIOXIN
effect on hepatic acetyl-CoA carboxylase, 521
TETRACOSENOIC ACID
isomers of, in fish oil, 237
12-*O*-TETRADECANOYLPHORBOL-13-ACETATE
effect on cell differentiation, 145
THIENOTRIAZOLODIAZEPINES
anti-PAF activity of, 1157
THIN-LAYER CHROMATOGRAPHY OF
aldehydic lipid peroxidation products, 155
neutral lipids, 405
trihydroxyoctadecenoic acids, 407
THIOETHER LIPIDS
antitumor activity of, 1437
β-THROMBOGLOBULIN
effect of smoking on, 1269
THROMBOXANE
role in nephrotoxicity of cyclosporin, 1320
THYROXIN
effect on mitochondrial fatty acids, 781
TLC, *see* thin-layer chromatography
TOCOPHEROLS
antioxidant activity of, 187
contents in plasma and lipoproteins, 723
of encapsulated fish oil, 23
TRIACYLGLYCEROL(S), *see* triglyceride(s)
TRICAINE METHANESULFONATE
effect on plasma fatty acids, 774
TRIGLYCERIDE(S)
accumulation and secretion by hepatocytes, 374
analysis by HPLC, 542
effect of dietary fat on, 824
effect on fatty acid and cholesterol absorption, 369
of skeletal muscle, 743
of cultured pre-adipocytes, 705
synthesis in human adipose tissue, 495
synthesis in yeast, 111
turnover in liver, effect of fatty acids on, 385
TRIHYDROXYOCTADECENOIC ACIDS
synthesis of, 407
TRITON X-100
solubilization of brain phospholipase D by, 426
TUMOR NECROSIS FACTOR
stimulation by PAF in human monocytes, 1060

U

URSOCHOLIC ACID
effect on bile cholesterol, 526
URSODEOXYCHOLIC ACID
effect on bile cholesterol, 526

V

VERY LOW DENSITY LIPOPROTEINS
effect on bile acids, in hepatocytes, 799
VITAMIN D_2
thiophosphate derivatives of, 574
VITAMIN D_3
thiophosphate derivatives of, 574
VITAMIN E
effect on erythrocyte peroxidation, 58
production by platelets, 696
protective effect against cell injury, 345
thiophosphate derivatives of, 574

X

X-RAY CRYSTALLOGRAPHY
of isoarborinol and motiol, 649

Order your own copy of *Platelet-Activating Factor and Structurally Related Alkyl Ether Lipids* (*Lipids 26* (12) 1991), either softbound or hardbound. Softbound back copies are available at $70 per copy for AOCS members, and at $75 for nonmembers. The casebound version is available at $90 for members, $100 for nonmembers per copy. (Note that the pagination for the casebound edition will be 965–1450.) Mail your order together with your payment by check drawn on a U.S. bank, purchase order, or credit card (Visa, Mastercard) to *Lipids* Special Issue, AOCS, P.O. Box 3489, Champaign, IL 61826-3489, USA. Add $5.00 shipping/handling charges per book within the U.S.; outside the U.S., $15.00 per book for surface mail and $25.00 per book for airmail. Illinois residents add 7¼% sales tax.